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OM protein - protein search, using sw model

Run on: April 16, 2003, 13:03:32 ; Search time 14 Seconds
(without alignments)
399.311 Million cell updates/sec

Title: US-09-895-298A-83

Sequence: 1 MMNFPSPKAMRASQMTTF.....HGSIDLRSSRVOGNPRA 190

Scoring table: Gapop 60.0, Gapext 60.0

Searched: 262574 seqs, 29422922 residues

Word size: 4

Total number of hits satisfying chosen parameters: 34763

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database:

Issued_Patents_AI:*
1: /cgn2-6/ptodata/1/1aa/5A_COMB.pep:*
2: /cgn2-6/ptodata/1/1aa/5B_COMB.pep:*
3: /cgn2-6/ptodata/1/1aa/6A_COMB.pep:*
4: /cgn2-6/ptodata/1/1aa/6B_COMB.pep:*
5: /cgn2-6/ptodata/1/1aa/PCRNUS_COMB.pep:*
6: /cgn2-6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	7	3.7	486	4	US-09-291-922-10
2	6	3.2	15	4	US-08-602-999A-379
3	6	3.2	15	4	US-09-500-124-379
4	6	3.2	15	4	US-08-928-213B-131
5	6	3.2	46	4	US-08-865-468-7
6	6	3.2	87	4	US-09-345-293-4
7	6	3.2	132	1	US-08-477-451-45
8	6	3.2	132	1	US-08-392-419-4
9	6	3.2	143	4	US-09-134-001C-3963
10	6	3.2	145	4	US-09-134-001C-5194
11	6	3.2	146	4	US-08-858-207A-400
12	6	3.2	151	4	US-09-238-986-94
13	6	3.2	178	4	US-09-134-001C-4994
14	6	3.2	195	1	US-08-063-552-9
15	6	3.2	195	5	PCT-US93-05704-9
16	6	3.2	196	4	US-09-345-293-3
17	6	3.2	208	2	US-08-531-525-15
18	6	3.2	208	2	US-08-718-270A-15
19	6	3.2	274	4	US-09-185-501B-15
20	6	3.2	288	4	US-09-438-833-9
21	6	3.2	301	4	US-09-438-833-10
22	6	3.2	303	4	US-09-420-786A-3
23	6	3.2	312	2	US-09-031-485-2
24	6	3.2	312	2	US-08-847-429A-2
25	6	3.2	312	3	US-09-065-474-2
26	6	3.2	312	4	US-09-557-034-2
27	6	3.2	313	3	US-08-926-842B-62

28	6	3.2	314	4	US-09-710-099-4	Sequence 4, Appl
29	6	3.2	314	4	US-09-710-099-12	Sequence 12, Appl
30	6	3.2	317	1	US-07-866-979-6	Sequence 6, Appl
31	6	3.2	317	1	US-08-671-525B-2	Sequence 2, Appl
32	6	3.2	317	1	US-08-672-109B-2	Sequence 2, Appl
33	6	3.2	317	2	US-08-842-045-2	Sequence 2, Appl
34	6	3.2	317	2	US-08-465-906B-6	Sequence 6, Appl
35	6	3.2	317	2	US-08-842-238-2	Sequence 2, Appl
36	6	3.2	317	2	US-08-780-749A-4	Sequence 4, Appl
37	6	3.2	317	3	US-08-706-281A-6	Sequence 6, Appl
38	6	3.2	317	3	US-08-629-335B-2	Sequence 2, Appl
39	6	3.2	317	4	US-09-201-746-6	Sequence 6, Appl
40	6	3.2	317	4	US-09-097-231-6	Sequence 6, Appl
41	6	3.2	317	4	US-08-870-521-4	Sequence 4, Appl
42	6	3.2	317	4	US-08-387-805-2	Sequence 2, Appl
43	6	3.2	327	1	US-08-748-068-2	Sequence 2, Appl
44	6	3.2	330	4	US-09-232-197-51	Sequence 51, Appl
45	6	3.2	330	4	US-09-232-197-51	Sequence 51, Appl

ALIGNMENTS

RESULT 1
US-09-291-922-10
Sequence 10, Application US/09291922
Patent No. 6383776
GENERAL INFORMATION:
APPLICANT: Allen, Steve
APPLICANT: Hitz, Bill
APPLICANT: Kinney, Tony
APPLICANT: Klingey, Scott
TITLE OF INVENTION: Plant Sugar Transport Proteins
FILE REFERENCE: BB-1163
CURRENT APPLICATION NUMBER: US/09/291,922
CURRENT FILING DATE: 1999-04-14
EARLIER APPLICATION NUMBER: 60/083,044
EARLIER FILING DATE: April 24, 1998
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Microsoft Office 97
SEQ ID NO 10
LENGTH: 486
TYPE: PRT
ORGANISM: Glycine max
US-09-291-922-10

Query Match 3.7% Score 7; DB 4; Length 486;
Best Local Similarity 100.0% Pred. No. 39;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 148 ANPSSLY 154
DB 41 ANPSSLY 47

RESULT 2
US-08-602-999A-379
Sequence 379, Application US/08602999A
Patent No. 6184205
GENERAL INFORMATION:
APPLICANT: SPARKS, Andrew B.
APPLICANT: KAT, Brian K.
APPLICANT: THORN, Judith M.
APPLICANT: OULITIAN, Lawrence A.
APPLICANT: DER, Channing J.
APPLICANT: FOMLERS, Dana M.
APPLICANT: RIDER, James E.
TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF
NUMBER OF SEQUENCES: 467
CORRESPONDENCE ADDRESS:
ADDRESSEE: Penile & Edmonds
STREET: 1155 Avenue of the Americas

CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/602,999A
FILING DATE: 16-FEB-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MISTOCK, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 1101-202
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 379:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-602-999A-379

Query Match 3.2%; Score 6; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 53 RGLPLF 58
|||||
DB 5 RGLPLF 10

RESULT 3
US-09-500-124-379
Sequence 379, Application US/09500124
Patent No. 6432920
GENERAL INFORMATION:
APPLICANT: SPARKS, Andrew B.
APPLICANT: KAY, Brian K.
APPLICANT: THORN, Judith M.
APPLICANT: OULTIAM, Lawrence A.
APPLICANT: DER, Channing J.
APPLICANT: FOWLES, Dana M.
APPLICANT: RIDER, James E.
TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF
NUMBER OF SEQUENCES: 467
CORRESPONDENCE ADDRESS:
ADDRESS: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/500,124
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/602,999
FILING DATE: 16-FEB-1996
ATTORNEY/AGENT INFORMATION:

NAME: MISTOCK, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 1101-202
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 379:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-09-500-124-379

Query Match 3.2%; Score 6; DB 4; Length 15;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 53 RGLPLF 58
|||||
DB 5 RGLPLF 10

RESULT 4
US-08-928-213B-131
Sequence 131, Application US/08928213B
Patent No. 6238905
GENERAL INFORMATION:
APPLICANT: McHenry, Charles S.
APPLICANT: Cull, Millard G.
APPLICANT: Seville, Mark
TITLE OF INVENTION: NOVEL THERMOPHILIC POLYMERASE III
HOMOZYME
NUMBER OF SEQUENCES: 195
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLER & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/928,213B
FILING DATE: 12-Sep-1997
CLASSIFICATION: <unknown>
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: ENZYCO-02550
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-705-8410
TELEFAX: 415-397-8338
INFORMATION FOR SEQ ID NO: 131:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 131:
US-08-928-213B-131

Query Match 3.2%; Score 6; DB 4; Length 19;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 56 PLFIHS 61

DB 1 PLFINS 6

RESULT 5

US-08-865-468-7
 ; Sequence 7, Application US/08865468
 ; Patent No. 6248869
 ; GENERAL INFORMATION:
 ; APPLICANT: Dade International Inc.
 ; APPLICANT: Morjana, Nihat A.
 ; APPLICANT: Pula, Angela M.
 ; TITLE OF INVENTION: TROPONIN I FORMS AND USE OF SAME
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: DADE INTERNATIONAL INC.
 ; STREET: 1717 Deerfield Road
 ; CITY: Deerfield
 ; STATE: Illinois
 ; COUNTRY: US
 ; ZIP: 60015
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/865,468
 ; FILING DATE: 29 May 1997
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: WINSTON, Lois R.
 ; REGISTRATION NUMBER: 39,074
 ; REFERENCE/DOCKET NUMBER: DA-9018
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (708) 267-5364
 ; TELEFAX: (708) 267-5364
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 46 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; US-08-865-468-7

Query Match

3.2%; Score 6; DB 4; Length 46;
 Best Local Similarity 100.0%; Pred. No. 49;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 173 GSLDLR 178
 DB 10 GSLDLR 15

RESULT 6

US-09-345-293-4
 ; Sequence 4, Application US/09345293A
 ; Patent No. 6380382
 ; GENERAL INFORMATION:
 ; APPLICANT: Rhodadoust, Mehron
 ; TITLE OF INVENTION: No. 6380382el Gene Encoding a Protein Having Diagnostic,
 ; FILE REFERENCE: Preventive, Therapeutic, and Other Uses
 ; CURRENT APPLICATION NUMBER: US/09/345,293A
 ; CURRENT FILING DATE: 1999-06-30
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 4
 ; LENGTH: 53
 ; TYPE: PRT

; ORGANISM: Homo sapiens
 ; US-09-345-293-4

Query Match

3.2%; Score 6; DB 4; Length 53;
 Best Local Similarity 100.0%; Pred. No. 56;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 150 PSSSLVL 155
 DB 30 PSSSLVL 35

RESULT 7

US-08-477-451-45
 ; Sequence 45, Application US/08477451
 ; Patent No. 5928865
 ; GENERAL INFORMATION:
 ; APPLICANT: Covacci, Antonello
 ; TITLE OF INVENTION: Helicobacter Pylori CagI Region
 ; NUMBER OF SEQUENCES: 46
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Chiron Corporation
 ; STREET: 4560 Horton Street
 ; CITY: Emeryville
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94608-2916
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/477,451
 ; FILING DATE: 07-JUN-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: McClung, Barbara G.
 ; REGISTRATION NUMBER: 33,113
 ; REFERENCE/DOCKET NUMBER: 0335.002
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 510-601-2708
 ; TELEFAX: 510-655-3542
 ; INFORMATION FOR SEQ ID NO: 45:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 87 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; US-08-477-451-45

Query Match

3.2%; Score 6; DB 2; Length 87;
 Best Local Similarity 100.0%; Pred. No. 87;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 93 FILTLL 98
 DB 42 FILTLL 47

RESULT 8

US-08-392-419-4
 ; Sequence 4, Application US/08392419
 ; Patent No. 5624659
 ; GENERAL INFORMATION:
 ; APPLICANT: Bigner, Darrell D.
 ; APPLICANT: Zaitseky, Michael R.
 ; TITLE OF INVENTION: METHOD OF TREATMENT
 ; NUMBER OF SEQUENCES: 8
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Kenneth D. Shibley
 ; STREET: P.O. Drawer 34009

CITY: Charlotte
STATE: No. 5624659ch Carolina
COUNTRY: USA
ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/392,419
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/033,827
FILING DATE: 19-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Sidley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 5405-90
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-420-2200
TELEFAX: 919-881-3175
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 132 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-392-419-4

Query Match 3.2%; Score 6; DB 1; Length 132;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 102 ITVLYM 107
|||||
DB 55 ITVLYM 60

RESULT 9
US-09-134-001C-3963
Sequence 3963, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: CTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
PRIOR FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3963
LENGTH: 143
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3963

Query Match 3.2%; Score 6; DB 4; Length 143;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 19 FFIFLL 24
|||||
DB 14 FFIFLL 19

RESULT 10
US-09-134-001C-5194

Sequence 5194, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: CTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
PRIOR FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 5194
LENGTH: 145
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5194

Query Match 3.2%; Score 6; DB 4; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 149 NPSSLV 154
|||||
DB 37 NPSSLV 42

RESULT 11
US-08-858-207A-400
Sequence 400, Application US/08858207A
Patent No. 6348328
GENERAL INFORMATION:
APPLICANT: Black, Michael
APPLICANT: Hodgson, John
APPLICANT: Knowles, David
APPLICANT: Nicholas, Richard
APPLICANT: Stodola, Robert
TITLE OF INVENTION: No. 6348328e1 Compounds
NUMBER OF SEQUENCES: 552
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSPQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/858,207A
FILING DATE: 09-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/017670
FILING DATE: 14-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Gimmil, Edward R
REGISTRATION NUMBER: 38,891
REFERENCE/DOCKET NUMBER: P50475
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-4478
TELEFAX: 610-270-5090
INFORMATION FOR SEQ ID NO: 400:
SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids
TYPE: amino acid
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: No. 6348328e
US-08-858-207A-400

Query Match 3.2%; Score 6; DB 4; Length 146;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 173 GSIDLK 178
|||||
DB 81 GSIDLK 86

RESULT 12
US-09-228-986-94
Sequence 94, Application US/09228986
Patent No. 6359198
GENERAL INFORMATION:
APPLICANT: Strabala, Timothy
APPLICANT: Neuenhulzen, Niels
TITLE OF INVENTION: Compositions Isolated from Plant Cells
TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signalling
FILE REFERENCE: 11000/1020
CURRENT APPLICATION NUMBER: US/09/228,986
CURRENT FILING DATE: 1999-01-12
NUMBER OF SEQ ID NOS: 130
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 94
LENGTH: 151
TYPE: PRT
ORGANISM: Pinus radiata
US-09-228-986-94

Query Match 3.2%; Score 6; DB 4; Length 151;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 174 SLDLRS 179
|||||
DB 102 SLDLRS 107

RESULT 13
US-09-134-001C-4994
Sequence 4994, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 4994
LENGTH: 178
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4994

Query Match 3.2%; Score 6; DB 4; Length 178;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 135 IEKLIR 140
|||||
DB 157 IEKLIR 162

RESULT 14
US-08-063-552-9
Sequence 9, Application US/08063552
Patent No. 5688936
GENERAL INFORMATION:

APPLICANT: Edwards, Robert H
TITLE OF INVENTION: Vesicle Membrane Transport Proteins
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheldon & Mak
STREET: 225 South Lake Avenue, Ninth Floor
CITY: Pasadena
STATE: California
COUNTRY: USA
ZIP: 91101

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/063,552
FILING DATE: 19930514
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Fairber, Michael B
REGISTRATION NUMBER: 32,612
REFERENCE/DOCKET NUMBER: 9067-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (818) 796-4000
TELEFAX: (818) 795-6321
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 195 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
FRAGMENT TYPE: Internal
ORIGINAL SOURCE:
ORGANISM: Bacillus subtilis plasmid
US-08-063-552-9.

Query Match 3.2%; Score 6; DB 1; Length 195;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 112 GRKIMI 117
|||||
DB 69 GRKIMI 74

RESULT 15
PCT-US93-05704-9
Sequence 9, Application PC/TUS9305704
GENERAL INFORMATION:
APPLICANT: Edwards, Robert H
TITLE OF INVENTION: Vesicle Membrane Transport Proteins
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheldon & Mak
STREET: 225 South Lake Avenue, Ninth Floor
CITY: Pasadena
STATE: California
COUNTRY: USA
ZIP: 91101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/05704

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; FILING DATE: 19930611
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Farber, Michael B
; REGISTRATION NUMBER: 32,612
; REFERENCE/DOCKET NUMBER: 9067-1PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (818) 796-4000
; TELEFAX: (818) 795-6321
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 195 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHEetical: NO
; FRAGMENT TYPE: Internal
; ORIGINAL SOURCE:
; ORGANISM: Bacillus subtilis plasmid
; PCT-US93-05704-9

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Query Match          3.2%; Score 6; DB 5; Length 195;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 112 GRKIMI 117
Db 69 GRKIMI 74

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Search completed: April 16, 2003, 13:10:41
Job time : 16 secs

GenCore version 5.1.4.D5_4578
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OM protein - protein search, using sw model

Run on: April 16, 2003, 13:02:42 ; Search time 18 Seconds
(without alignments)
798.147 Million cell updates/sec

Title: US-09-895-298a-83
Perfect score: 1002
Sequence: 1 MNMFOPSKAMRASQMMTF.....HDSGLDKRSRVOEGNPRA 190

Scoring table:
Gapop 10.0 , Gapext 0.5

Searched: 288829 seqs, 7561385 residues

Total number of hits satisfying chosen parameters: 288829

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: /cgn2_6/pdata/1/pubpaa/US08_NEM_PUB.pep:*
2: /cgn2_6/pdata/1/pubpaa/PCU_NEM_PUB.pep:*
3: /cgn2_6/pdata/1/pubpaa/US06_NEM_PUB.pep:*
4: /cgn2_6/pdata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/pdata/1/pubpaa/US07_NEM_PUB.pep:*
6: /cgn2_6/pdata/1/pubpaa/US07_PUBCOMB.pep:*
7: /cgn2_6/pdata/1/pubpaa/PCUS_PUBCOMB.pep:*
8: /cgn2_6/pdata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/pdata/1/pubpaa/US09_NEM_PUB.pep:*
10: /cgn2_6/pdata/1/pubpaa/US09_PUBCOMB.pep:*
11: /cgn2_6/pdata/1/pubpaa/US10_NEM_PUB.pep:*
12: /cgn2_6/pdata/1/pubpaa/US10_PUBCOMB.pep:*
13: /cgn2_6/pdata/1/pubpaa/US60_NEM_PUB.pep:*
14: /cgn2_6/pdata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	148	14.8	31	10	US-09-864-761-44182
2	88.5	8.8	706	9	US-09-965-529-36
3	82.5	8.2	310	9	US-09-510-332-164
4	80	8.0	426	9	US-10-028-072-218
5	80	8.0	426	9	US-10-121-049-218
6	80	8.0	426	9	US-10-123-904-218
7	80	8.0	426	9	US-10-140-470-218
8	80	8.0	426	9	US-10-175-746-218
9	80	8.0	426	9	US-10-176-918-218
10	80	8.0	426	9	US-10-176-921-218
11	80	8.0	426	9	US-10-137-865-218
12	80	8.0	426	9	US-10-140-474-218
13	80	8.0	426	9	US-10-142-431-218
14	80	8.0	426	9	US-10-143-114-218
15	80	8.0	426	9	US-10-140-002-218
16	80	8.0	426	9	US-10-142-419-218
17	80	8.0	426	9	US-10-123-262-218
18	80	8.0	426	9	US-10-142-423-218
19	80	8.0	426	9	US-10-121-050-218

ALIGNMENTS

20	80	8.0	426	9	US-10-141-755-218	Sequence 218, App
21	80	8.0	426	9	US-10-143-032-218	Sequence 218, App
22	80	8.0	426	9	US-10-123-108-218	Sequence 218, App
23	80	8.0	426	9	US-10-123-236-218	Sequence 218, App
24	80	8.0	426	9	US-10-123-261-218	Sequence 218, App
25	80	8.0	426	9	US-10-140-921-218	Sequence 218, App
26	80	8.0	426	9	US-10-140-928-218	Sequence 218, App
27	77.5	7.7	556	10	US-09-815-242-5244	Sequence 5244, Ap
28	77.5	7.7	604	10	US-09-815-242-12525	Sequence 12525, A
29	77	7.7	605	10	US-09-841-132-574	Sequence 574, App
30	75	7.5	784	9	US-10-145-014-23	Sequence 23, App
31	75	7.5	784	9	US-10-095-621-12	Sequence 12, App
32	74.5	7.4	332	10	US-09-815-242-10869	Sequence 10869, A
33	74.5	7.4	332	10	US-09-510-332-101	Sequence 101, App
34	74.5	7.4	405	10	US-09-966-871-84	Sequence 84, App
35	74.5	7.4	405	12	US-10-039-645-84	Sequence 84, App
36	74	7.4	323	9	US-09-738-626-5239	Sequence 5239, Ap
37	74	7.4	398	9	US-09-738-626-6516	Sequence 6516, Ap
38	74	7.4	784	9	US-09-950-041-4	Sequence 4, App
39	73.5	7.3	535	9	US-10-102-806-729	Sequence 729, App
40	73	7.3	1077	9	US-10-121-911-1	Sequence 1, App
41	72.5	7.2	191	10	US-09-828-644-92	Sequence 92, App
42	72	7.2	210	9	US-09-791-279-146	Sequence 146, App
43	71.5	7.1	307	10	US-09-825-882-18	Sequence 18, App
44	71.5	7.1	415	10	US-09-823-114-20	Sequence 20, App
45	71	7.1	176	10	US-09-788-600-6	Sequence 6, App

RESULT 1
US-09-864-761-44182
Sequence 44182, Application US/09864761
Patent No. US2002048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Shartown G.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aecomica-X-1
CURRENT APPLICATION NUMBER: US 09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/334,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 44182
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC003108.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78
; OTHER INFORMATION: EST_HUMAN HIT: AW582253.1, EVALUATE 2.00e-09
US-09-864-761-44182
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Query Match      14.8% Score 148; DB 10; Length 31;
Best Local Similarity 100.0%; Pred. No. 7.5e-09;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 131 KMFLTEKLIKQDEKKNAPSSLYLERREVE 161
Db 1 KMFLTEKLIKQDEKKNAPSSLYLERREVE 31
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RESULT 2
US-09-965-529-36
; Sequence 36, Application US/09965529
; Publication No. US20020182671A1
; GENERAL INFORMATION:
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: BANDMAN, Olga
; APPLICANT: BURFORD, Neil
; APPLICANT: AZIMZAI, Yalda
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LU, Dzung Anna M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
; FILE REFERENCE: PF-0731 USA
; CURRENT APPLICATION NUMBER: US/09/965,529
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/149,641; 60/164,203; PCT/US00/22315
; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: PERL Program
; SEQ ID NO 36
; LENGTH: 706
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20020182671A1 5944279CD1
US-09-965-529-36
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Query Match      8.8% Score 88.5; DB 9; Length 706;
Best Local Similarity 27.5%; Pred. No. 0.71;
Matches 39; Conservative 27; Mismatches 57; Indels 19; Gaps 6;
QY 6 PPSKARASQWMTFF-IFLFFPSFTGVCTAITIMRLKPSADCGPRGLPLFHSIYS 64
Db 571 PAARTRFASANFFPLVLLGLAISV--PLIYSFILPPSKLGGPRGQ-----SSIWA 624
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QY 65 WT-DLSTRP---GYLWVWYIRNLIGSHPEFLITLVLLITYVWQTEGRKIMRL 119
Db 625 QIDESISLEPTQNFLE-----FLGTQAFVBLIISSTIMAYVALSYGRILSE 677
QY 120 LHEQIINEGKDKMFLTEKLIK 141
Db 678 LKQROTEQNKVFLARRAVAL 699
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RESULT 3
US-09-510-332-164
; Sequence 164, Application US/09510332
; Publication No. US20030022278A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Adler, Jon Elliot
; APPLICANT: Ryder, Nick
; APPLICANT: Mueller, Ken
; APPLICANT: Hoorn, Mark
; TITLE OF INVENTION: The Regents of the University of California
; FILE REFERENCE: 023078-098010US
; CURRENT APPLICATION NUMBER: US/09/510,332
; CURRENT FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 09/393,634
; PRIOR FILING DATE: 1999-09-10
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 164
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: mouse T2R31 (mGR31)
US-09-510-332-164
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Query Match      8.2% Score 82.5; DB 9; Length 310;
Best Local Similarity 21.7%; Pred. No. 1;
Matches 50; Conservative 27; Mismatches 50; Indels 103; Gaps 11;
QY 11 WRASQWMTFFIFLPPSFTGVCTAIA---TIVRLKPSADCGPRGLPLFHSIYS-- 64
Db 28 WVKNQKITIFINIMCLASRSISVLMPLFDATIDELAP-----HFYSYR 73
QY 65 -----WT-DLSTR-----RPGYLMWVYIRNLIGSHPEFLIT 96
Db 74 LVKSDIEWVITDQSTWMLATCLISIFLKVVAHISHPLFLMKV--RLRGVLVFLVFS 130
QY 97 LIVLITYL-----YW-----QTEGRKIMRLHQQIINEGKDM 132
Db 131 LFLIISYFLLETPITWGIYVYTIKNNLILFSGTIKTAFOKTIY-----FDII 179
QY 133 ELEKIKIKQDEKKNAPSSLYLERREVEOOGFLHSGHDSIDLRSRRS 182
Db 180 YLVVFLVSL-----ASLILL-----FLSLVHSHSLDLISTTS 212
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RESULT 4
US-10-028-072-218
; Sequence 218, Application US/10028072
; Publication No. US20030004311A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
```


APPLICANT: Smith,Victoria
 APPLICANT: Stewart,Timothy A.
 APPLICANT: Tumas,Daniel
 APPLICANT: Watanabe,Colin K
 APPLICANT: Wood,William
 APPLICANT: Zhang
 TITLE OF INVENTION:
 FILE REFERENCE:
 CURRENT APPLICATION NUMBER: US/10/028,072
 PRIOR FILING DATE: 2001-12-19
 PRIOR APPLICATION NUMBER: 60/049911
 PRIOR FILING DATE: 1997-06-18
 PRIOR APPLICATION NUMBER: 60/056974
 PRIOR FILING DATE: 1997-08-26
 PRIOR APPLICATION NUMBER: 60/059113
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059115
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059117
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059122
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059184
 PRIOR FILING DATE: 1997-09-17
 PRIOR APPLICATION NUMBER: 60/059263
 PRIOR FILING DATE: 1997-09-18
 PRIOR APPLICATION NUMBER: 60/059352
 PRIOR FILING DATE: 1997-09-19
 PRIOR APPLICATION NUMBER: 60/059588
 PRIOR FILING DATE: 1997-09-19
 PRIOR APPLICATION NUMBER: 60/059836
 PRIOR FILING DATE: 1997-09-24
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/062285
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 PRIOR APPLICATION NUMBER: 60/062287
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/062814
 PRIOR FILING DATE: 1997-10-24
 PRIOR APPLICATION NUMBER: 60/062816
 PRIOR FILING DATE: 1997-10-24
 PRIOR APPLICATION NUMBER: 60/063045
 PRIOR FILING DATE: 1997-10-24
 PRIOR APPLICATION NUMBER: 60/063082
 PRIOR FILING DATE: 1997-10-31
 PRIOR APPLICATION NUMBER: 60/063127
 PRIOR FILING DATE: 1997-10-24
 PRIOR APPLICATION NUMBER: 60/063327
 PRIOR FILING DATE: 1997-10-27
 PRIOR APPLICATION NUMBER: 60/063329
 PRIOR FILING DATE: 1997-10-27
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 PRIOR FILING DATE: 1997-10-28
 PRIOR APPLICATION NUMBER: 60/063561
 PRIOR FILING DATE: 1997-10-28
 PRIOR APPLICATION NUMBER: 60/063704
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 PRIOR FILING DATE: 1997-10-29
 PRIOR APPLICATION NUMBER: 60/063735
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 PRIOR FILING DATE: 1997-10-29
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 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/064248
 PRIOR FILING DATE: 1997-11-03
 PRIOR APPLICATION NUMBER: 60/064809
 PRIOR FILING DATE: 1997-11-07
 PRIOR APPLICATION NUMBER: 60/065186
 PRIOR FILING DATE: 1997-11-12
 PRIOR APPLICATION NUMBER: 60/065846
 PRIOR FILING DATE: 1997-11-17
 PRIOR APPLICATION NUMBER: 60/066364
 PRIOR FILING DATE: 1997-11-21
 PRIOR APPLICATION NUMBER: 60/066453
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/066511
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/066770
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/069212
 PRIOR FILING DATE: 1997-12-11
 PRIOR APPLICATION NUMBER: 60/069278
 PRIOR FILING DATE: 1997-12-11
 PRIOR APPLICATION NUMBER: 60/069334
 PRIOR FILING DATE: 1997-12-11
 PRIOR APPLICATION NUMBER: 60/069694
 PRIOR FILING DATE: 1997-12-16
 PRIOR APPLICATION NUMBER: 60/072320
 PRIOR FILING DATE: 1998-01-23
 PRIOR APPLICATION NUMBER: 60/073612
 PRIOR FILING DATE: 1998-02-04
 PRIOR APPLICATION NUMBER: 60/074086
 PRIOR FILING DATE: 1998-02-09
 PRIOR APPLICATION NUMBER: 60/074092
 PRIOR FILING DATE: 1998-02-09
 PRIOR APPLICATION NUMBER: 60/077791
 PRIOR FILING DATE: 1998-03-12
 PRIOR APPLICATION NUMBER: 60/078910
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/079294
 PRIOR FILING DATE: 1998-03-25
 PRIOR APPLICATION NUMBER: 60/079663
 PRIOR FILING DATE: 1998-02-27
 PRIOR APPLICATION NUMBER: 60/079728
 PRIOR FILING DATE: 1998-03-27
 PRIOR APPLICATION NUMBER: 60/080165
 PRIOR FILING DATE: 1998-03-31
 PRIOR APPLICATION NUMBER: 60/081203
 PRIOR FILING DATE: 1998-04-09
 PRIOR APPLICATION NUMBER: 60/081229
 PRIOR FILING DATE: 1998-04-09
 PRIOR APPLICATION NUMBER: 60/081695
 PRIOR FILING DATE: 1998-04-14
 PRIOR APPLICATION NUMBER: 60/081817
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/081818
 PRIOR FILING DATE: 1998-04-15
 PRIOR APPLICATION NUMBER: 60/082999
 PRIOR FILING DATE: 1998-04-24
 PRIOR APPLICATION NUMBER: 60/083322
 PRIOR FILING DATE: 1998-04-28
 PRIOR APPLICATION NUMBER: 60/083545
 PRIOR FILING DATE: 1998-04-29
 PRIOR APPLICATION NUMBER: 60/084600
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084627
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/084637
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/085149
 PRIOR FILING DATE: 1998-05-12
 PRIOR APPLICATION NUMBER: 60/085323
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085338
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085339
 PRIOR FILING DATE: 1998-05-13
 PRIOR APPLICATION NUMBER: 60/085579
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085697
 PRIOR FILING DATE: 1998-05-15
 PRIOR APPLICATION NUMBER: 60/085704
 PRIOR FILING DATE: 1998-05-15

Query Match	8.08;	Score 80;	DB 9;	Length 426;
Best Local Similarity	21.88;	Pred. No. 2.8;		
Matches 41; Conservative	27;	Mismatches	54;	Indels 66; Gaps 9

RESULT 10
US-10-176-921-218

Sequence 218, Application US/10176921
Publication No. US20030027276v1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Deforge, Laura
APPLICANT: Deenoyers, Luc
APPLICANT: Flivaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Nalanade, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEOTIDE

Query Match	8.0%;	Score 80;	DB 9;	Length 426;
Best Local Similarity	21.8%;	Pred. No. 2.8;		
Matches 41;	Conservative 27;	Mismatches 54;	Indels 66;	Gaps 9;

RESULT 11
US-10-137-865-218

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Sequence 218, Application US/10137865
Publication No. US20030032155A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresford, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Guo, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEOTIC
FILE REFERENCE: P3330R1C154
CURRENT APPLICATION NUMBER: US/10/137,865
CURRENT FILING DATE: 2002-05-03
Prior Application removed ~ See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 218
LENGTH: 426
TYPE: PRT
ORGANISM: Homo Sapien
US-10-137-865-218

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Query Match: 8.0%; Score 80; DB 9; Length 426;
Best Local Similarity 21.8%; Pred. No. 2.8;
Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;
14 SOMFFILFLFF-----PFTGVCITAIATWLRKPSADCCPFGGLDLTHSI-----62

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Db      4 AQLATEVFSDFLKEPTEPKGLRLRLAV-----DKMWTCLAV-GLPLLLISLFAOE 57
QY      63 -----YSW-----IDTLSTRGYLWVWYIYNLIGS-----VHFF-- 93
Db      58 ISIGTQISCFSPSSFSRQAFAVDS-----YCAAAVQKNSLSQSSGNLPLWLHKEFPY 111
QY      94 --ITLVLITLYLWQITGKIMIRLHEQIINEGKDMFLIKLIKQDEKKANPS 151
Db      112 ILLFALLILYPLPLFWFAAAPHIC-----SDLKFIEMELDKYNNRAIKAKS 159
QY      152 SLVERRE 159
Db      160 ARDLMDRD 167

RESULT 12
US-10-140-474-218
; Sequence 218, Application US/10140474
; Publication No. US20030032156A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C162
; CURRENT APPLICATION NUMBER: US/10/140,474
; PRIOR APPLICATION REMOVED - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 218
; LENGTH: 426
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-474-218

Query Match
Best Local Similarity 21.8%; Score 80; DB 9; Length 426;
Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;

```

```

US-10-142-431-218
; Sequence 218, Application US/10142431
; Publication No. US20030036179A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C251
; CURRENT APPLICATION NUMBER: US/10/142,431
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 218
; LENGTH: 426
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-142-431-218

Query Match
Best Local Similarity 21.8%; Score 80; DB 9; Length 426;
Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;

```

```

: APPLICANT: Tumas, Daniel
: APPLICANT: Watanabe, Collin K
: APPLICANT: Wood, William
: APPLICANT: Zhang, Zhenlin
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: TITLE OF INVENTION: ACIDS ENCODING THE SAME
: FILE REFERENCE: P3330R1C211
: CURRENT APPLICATION NUMBER: US/10/143,114
: CURRENT FILING DATE: 2002-05-09
: Prior Application removed - See Palm or File Wrapper
: NUMBER OF SEQ ID NOS: 550
: SEQ ID NO 218
: LENGTH: 426
: TYPE: PRT
: ORGANISM: Homo Sapien
US-10-143-114-218

```

Query Match	8.08;	Score 80;	DB 9;	Length 426;
Best Local Similarity	21.88;	Pred. No. 2.8;		
Matches 41;	Conservative 27;	Mismatches 54;	Indels 66;	Gaps 9;

```

QY 14 SQMTEFFLEFF-----SFTVLTLATITWRKPSADCGREPLPEIHSI-----62
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 4 AQLATEYVSDPLKEPTEPRFKGLRELAV-----DKWYTCIAV-GLPILITSLAPAE 57
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 63 -----YSW-----IDTLSTRPGYLWVWIVRYNLIGS-----VHFFP-- 93
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 58 ISIGTQSCFSPSSFRQAFVDS-----YCAAAVQOKNSIQSEBGNPLTLHKFPY 111
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 94 --ILTLVLITLVLYWOITTEGRKIMIRLTHEQIINECKDMFLIEKIKIQLODEKKAAPS 151
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 112 ILLFLAILLVLPLEFWFAAAPHIC-----SDAKTMEIDKTKYNNATRAAKS 159
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

0Y      102 SEVERNE 159
        :  | :  |
Db      160 ARDLMDRD 167

```

RESULT 15
US-10-140-002-218
: Sequence 218, Application US/10140002
: Publication No. US20030037623A1
General Information

APPLICANT: Baker, Kevin P.
 APPLICANT: Beresini, Maureen
 APPLICANT: DeForge, Laura
 APPLICANT: Desnoyers, Luc
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Geriltsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Sherwood, Steven
 APPLICANT: Smith, Victoria
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Thomas, Daniel
 APPLICANT: Watanabe, Collin K
 APPLICANT: Wood, William
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEOTIC
 FILE REFERENCE: P3330R1C59
 CURRENT APPLICATION NUMBER: US/10/140,002
 CURRENT FILING DATE: 2002-05-06
 Prior Application removed - See Palm or File Wrapper
 NUMBER OF SEQ ID NOS: 550
 SEQ ID NO 218

ORGANISM: Homo Sapiens
US-10-140-002-218

Query Match	8.0%;	Score 80;	DB 9;	Length 426;
Best Local Similarity	21.8%;	Pred. No. 2.8;		
Matches 41;	Conservative 27;	Mismatches 54;	Indels 66;	Gaps 9;

[illegible]

Search completed: April 16, 2003, 13:10:21
Job time : 22 secs

Db 160 ARDLMDRD 167

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 23, 2003, 12:45:00 ; Search time 40 Seconds

(without alignments)
4370.144 Million cell updates/sec

Title: US-09-895-298a-32_COPY_63_632

Perfect score: 570
Sequence: 1 atgatgaattccagctcc.....aagaagtaaccagaagc 570

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-Processing: Minimum Match 08
Maximum Match 1008

Listing first 45 summaries

Database :

Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/lna/5A.COMB.seq:*
2: /cgn2_6/ptodata/1/lna/5B.COMB.seq:*
3: /cgn2_6/ptodata/1/lna/6A.COMB.seq:*
4: /cgn2_6/ptodata/1/lna/6B.COMB.seq:*
5: /cgn2_6/ptodata/1/lna/PCRTUS.COMB.seq:*
6: /cgn2_6/ptodata/1/lna/Backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	53.2	9.3	7218	1	US-08-232-463-14 Sequence 14, Appl
2	42.6	7.5	7218	1	US-08-232-463-14 Sequence 14, Appl
3	35	6.1	1142	3	US-08-672-850-3 Sequence 3, Appl
4	34.8	6.1	2394	3	US-09-027-064-1 Sequence 1, Appl
5	34.8	6.1	2394	4	US-09-271-815-1 Sequence 1, Appl
6	34	6.0	3483	4	US-09-130-491-3 Sequence 3, Appl
7	33.4	5.9	1335	4	US-09-134-001C-1509 Sequence 1509, Ap
8	33.4	5.9	3592	3	US-08-714-918-63 Sequence 63, Appl
9	33.4	5.9	3592	4	US-09-265-315-63 Sequence 63, Appl
10	33.4	5.9	3592	4	US-09-265-315-63 Sequence 63, Appl
11	33.4	5.9	3592	4	US-09-265-315-63 Sequence 63, Appl
12	33	5.8	683	4	US-08-882-164D-37 Sequence 37, Appl
13	32.8	5.8	306	4	US-09-461-697-203 Sequence 203, App
14	32.8	5.8	306	4	US-09-461-697-203 Sequence 203, App
15	32.8	5.8	699	4	US-09-461-697-193 Sequence 193, App
16	32.8	5.8	699	4	US-09-461-697-193 Sequence 193, App
17	32.8	5.8	717	4	US-09-461-697-189 Sequence 189, App
18	32.8	5.8	774	4	US-09-461-697-187 Sequence 187, App
19	32.8	5.8	819	4	US-09-461-697-185 Sequence 185, App
20	32.8	5.8	1488	4	US-09-134-001C-291 Sequence 291, App
21	32.8	5.8	1669	4	US-09-461-697-184 Sequence 184, App
22	32.2	5.6	567	4	US-09-134-001C-1412 Sequence 1412, Ap
23	31.8	5.6	289	4	US-09-007-005-17 Sequence 17, Appl
24	31.8	5.6	289	4	US-09-244-796-17 Sequence 17, Appl
25	31.8	5.6	2255	2	US-08-741-134-1 Sequence 1, Appl
26	31.8	5.6	4089	4	US-09-134-001C-2118 Sequence 2118, Ap
27	31.6	5.5	1248	2	US-09-200-141-1 Sequence 1, Appl

C 28	31.6	5.5	1276	4	US-09-177-325-2	Sequence 2, Appl
C 29	31.6	5.5	1276	4	US-09-411-812A-2	Sequence 2, Appl
C 30	31.6	5.5	1276	4	US-09-590-113-2	Sequence 2, Appl
C 31	31.6	5.5	1485	1	US-08-471-601-23	Sequence 23, Appl
C 32	31.6	5.5	1485	1	US-08-474-556-23	Sequence 23, Appl
C 33	31.6	5.5	1485	1	US-08-479-382-23	Sequence 23, Appl
C 34	31.6	5.5	1485	1	US-08-470-354-23	Sequence 23, Appl
C 35	31.6	5.5	1485	1	US-08-479-383-23	Sequence 23, Appl
C 36	31.6	5.5	1485	2	US-08-479-041-23	Sequence 23, Appl
C 37	31.6	5.5	1485	4	US-08-819-646-23	Sequence 23, Appl
C 38	31.6	5.5	1485	4	US-09-195-716-23	Sequence 23, Appl
C 39	31.6	5.5	2277	1	US-08-676-967-2	Sequence 2, Appl
C 40	31.6	5.5	2277	1	US-08-676-974-2	Sequence 2, Appl
C 41	31.6	5.5	2277	2	US-09-098-487-2	Sequence 2, Appl
C 42	31.6	5.5	8920	2	US-08-446-855A-1	Sequence 1, Appl
C 43	31.6	5.5	8920	4	US-09-150-741-1	Sequence 1, Appl
C 44	31.6	5.5	3446	4	US-09-103-330-35	Sequence 35, Appl
C 45	31.2	5.5	1105	3	US-08-961-083-75	Sequence 75, Appl

ALIGNMENTS

RESULT 1
US-08-232-463-14
Sequence 14, Application US/08232463
Patent No. 5670367
GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHEFFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300, 6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: PTZgpt-FLS
US-08-232-463-14
Query Match 9.3%, Score 53.2, DB 1, Length 7218;

Best Local Similarity 6.0%; Pred. No. 2.8e-06;
Matches 19; Conservative 177; Mismatches 120; Indels 0; Gaps 0;

```
OY 4 ATGAATTCACGCTCCGACAAAGCTCGCGGCTCACAGATGATGATTCATC 63
  ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1026 ATTAATTCGACCTGGCGAGGCTGAGGAGGAGCTTGCATTTTTTTTTT 1085
OY 64 TTCTGCTCTTTTCCCATCTTTCACCGGGCTTGTGACACCTGCCATCACC 123
  : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1086 TTTTCTGCTCTTTTCCCATCTTTCACCGGGCTTGTGACACCTGCCATCACC 1145
OY 124 AGATGAAGCCTTCAGCTGCTGCGCTTTCAGAGTCTGCTGCTTCATTCAC 163
  : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1146 TTTTCTGCTCTTTTCCCATCTTTCACCGGGCTTGTGACACCTGCCATCACC 1205
OY 184 ATCTAGACCTGATGACACCTTAAGTACAGGCTGCTGCTGCTGCTGCTGATC 243
  : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1206 TTTTCTGCTCTTTTCCCATCTTTCACCGGGCTTGTGACACCTGCCATCACC 1265
OY 244 TATCGAAGCTGATGAGAGTGTGACCTTTTTCATCTTCACCTCATCTGCTAATC 303
  : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1266 TTTTCTGCTCTTTTCCCATCTTTCACCGGGCTTGTGACACCTGCCATCACC 1325
OY 304 ATCACTATCTTACT 319
  : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1326 TTTTCTGCTCTTTTCCCATCTTTCACCGGGCTTGTGACACCTGCCATCACC 1341
```

RESULT 2

US-08-232-463-14/C
Sequence 14, Application US/08232463
Patent No. 5670367

GENERAL INFORMATION:

APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STATE: VA
COUNTRY: USA

ZIP: 22313-0299

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/232.463
FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/935.313
FILING DATE:

APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991

ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768

REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:

TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109

TELEX: 899149
INFORMATION FOR SEQ. ID NO. 14:

SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: Linear

IMMEDIATE SOURCE:
CLONE: pTZypl-F15
US-08-232-463-14

Query Match

Best Local Similarity 7.5%; Score 42.6; DB 1; Length 7218;
Matches 3; Conservative 158; Mismatches 92; Indels 0; Gaps 0;

```
OY 316 TACTGCGATGACAGAGGAGAGATATGATTAAGCTGCTCATGACAGATCAT 375
  ||| : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1437 TACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1378
OY 376 AAGAGGCAAGATTAAGTCTCTGATAGAAAATGATCAAGCTGACAGATAGAG 435
  : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1377 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1318
OY 436 AAGAAAGCAAGCCAGCTGCTGTTGTGGAAGAGAGAGTGGAGCAAGGCTTT 495
  : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1317 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1258
OY 496 TTGCTTTGGGGAACATGATGCGAGTCTGCTGCTGCTGCTGCTGCTGCTGCT 555
  : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1257 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1198
OY 556 GGTATATCAAGG 568
  : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1197 RRRRRRRRRRRRR 1185
```

RESULT 3

US-08-672-850-3
Sequence 3, Application US/08672850
Patent No. 6140117

GENERAL INFORMATION:

APPLICANT: Milbrandt, Jeffrey
APPLICANT: Araki, Yoshiyuki
TITLE OF INVENTION: NINOURIN
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:

ADDRESSEE: Flehr, Hobdach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: United States

ZIP: 94111

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/672.850
FILING DATE: 24-JUL-1996
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Silva, Robin M.
REGISTRATION NUMBER: 38,304

REFERENCE/DOCKET NUMBER: A-63610
TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249

INFORMATION FOR SEQ. ID NO. 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 1142 base pairs
TYPE: nucleic acid

STRANDEDNESS: unknown
TOPOLOGY: unknown

MOLECULE TYPE: DNA (genomic)
US-08-672-850-3

Query Match

Best Local Similarity 6.1%; Score 35; DB 3; Length 1142;
Matches 83; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

OY 292 AT 293
Db 2805 AT 2804

RESULT 7

US-09-134-001C-1509
Sequence 1509, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
PRIOR FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 1509
LENGTH: 1335
TYPE: DNA
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-1509

Query Match 5.9%; Score 33.4; DB 4; Length 1335;
Best Local Similarity 54.5%; Pred. No. 1.4;
Matches 67; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

OY 319 TGGCGATCAGCAGAGGAAGATTATGATTAAGCTCTCCATGACGATCATTAAT 378
Db 992 TGACGAGTCTACACTCAATTCGATGAAGACCTATTGATGATGATGATGATGAT 1051
OY 379 GAGGCAAGATTAATGCTCTGATAGAAAATTGATCAAGCTGAGATGAGGAAG 438
Db 1052 TAGATGCAAAATATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1111
OY 439 AAA 441
Db 1112 TAA 1114

RESULT 8

US-08-714-918-63/C
Sequence 63, Application US/08714918
Patent No. 6037123
GENERAL INFORMATION:
APPLICANT: Benton, Bret
APPLICANT: Lee, Ying
APPLICANT: Malouin, Francois
APPLICANT: Martin, Patrick K.
APPLICANT: Schmid, Molly B.
APPLICANT: Sun, Dongxu
TITLE OF INVENTION: STAPHYLOCOCCUS AUREUS ANTIBACTERIAL
TITLE OF INVENTION: TARGET GENES
NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/714,918
FILING DATE: September 13, 1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,102
FILING DATE: December 22, 1995
APPLICATION NUMBER: 60/003,798
FILING DATE: September 15, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 222/005
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
LENGTH: 3592 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-714-918-63

Query Match 5.9%; Score 33.4; DB 3; Length 3592;
Best Local Similarity 48.2%; Pred. No. 2.4;
Matches 82; Conservative 1; Mismatches 87; Indels 0; Gaps 0;

OY 143 ACTGTGGCCCTTTCGAGGTGCTGCTCTTCATTCATCTACGCTGATGACA 202
Db 710 ACTTACTTATTATGATGCTTTTAGCGCACCACTTAACACTTGAAGCCGNCNGAA 651
OY 203 CCTAAGTACAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 262
Db 650 CCTTACTTACTTAAAGATGATGATGATGATGATGATGATGATGATGATGATGAT 591
OY 263 GTGTGACTTCTTTTTCATCTCCTCCTCATTTGTGTAATCATCAGCTAT 312
Db 590 GTNNGAATGCTTTCATGATGATGATGATGATGATGATGATGATGATGATGATGAT 541

RESULT 9

US-09-265-315-63/C
Sequence 63, Application US/09265315
Patent No. 6187541
GENERAL INFORMATION:
APPLICANT: Benton, Bret
APPLICANT: Lee, Ying J.
APPLICANT: Malouin, Francois
APPLICANT: Martin, Patrick K.
APPLICANT: Schmid, Molly B.
APPLICANT: Sun, Dongxu
TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
TITLE OF INVENTION: TARGET GENES
NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/265,315

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; FILING DATE: March 9, 1999
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/714,918
; FILING DATE: September 13, 1996
; APPLICATION NUMBER: 60/009,102
; FILING DATE: December 22, 1995
; APPLICATION NUMBER: 60/003,798
; FILING DATE: September 15, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 240/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3592 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-09-265-315-63

```

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Query Match          5.9%; Score 33.4; DB 4; Length 3592;
Best Local Similarity 48.2%; Pred.No.2.4;
Matches 82; Conservative 1; Mismatches 87; Indels 0; Gaps 0;

QY 143 ACTGTGGCCCTTTTCGAGGCTGCTCTCTCTTCATTCATCTCATCTACATGATGACACA 202
DB 710 ACTTACGCTTTATATAGTCTTTTACGCGCACAGTAAACATCTCAGAAAGCGGACGAGAA 651
QY 203 CCTTACGATACAGGCGCTGCTACCTGCTGCTGCTTTGATCTATGCAACCTCATTTGAA 262
DB 650 CCTTCATTCATAGATAGATGATATATCATGCTTTGCTGCTTTTAAAGCATATAGAA 591
QY 263 GGTGTCATCTTTTTCATCTCTACCTCATTTGCTATTCATCATACAT 312
DB 590 GNNAAATTCCTCAGTATCTTTACCTTTTATGTTTAAACAAGTTT 541

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RESULT 10
US-09-265-315-63/c
; Sequence 63, Application US/09265315
; Patent No. 6187541
; GENERAL INFORMATION:
; APPLICANT: Benton, Bret
; APPLICANT: Lee, Ying J.
; APPLICANT: Malouin, Francois
; APPLICANT: Martin, Patrick K.
; APPLICANT: Schmidt, Molly B.
; APPLICANT: Sun, Dongxu
; TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
; TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
; TITLE OF INVENTION: TARGET GENES
; NUMBER OF SEQUENCES: 111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 MB
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/265,315

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; FILING DATE: March 9, 1999
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/714,918
; FILING DATE: September 13, 1996
; APPLICATION NUMBER: 60/009,102
; FILING DATE: December 22, 1995
; APPLICATION NUMBER: 60/003,798
; FILING DATE: September 15, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 240/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 63:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3592 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-09-265-315-63

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Query Match          5.9%; Score 33.4; DB 4; Length 3592;
Best Local Similarity 48.2%; Pred.No.2.4;
Matches 82; Conservative 1; Mismatches 87; Indels 0; Gaps 0;

QY 143 ACTGTGGCCCTTTTCGAGGCTGCTCTCTCTTCATTCATCTCATCTACATGATGACACA 202
DB 710 ACTTACGCTTTATATAGTCTTTTACGCGCACAGTAAACATCTCAGAAAGCGGACGAGAA 651
QY 203 CCTTACGATACAGGCGCTGCTACCTGCTGCTGCTTTGATCTATGCAACCTCATTTGAA 262
DB 650 CCTTCATTCATAGATAGATGATATATCATGCTTTGCTGCTTTTAAAGCATATAGAA 591
QY 263 GGTGTCATCTTTTTCATCTCTACCTCATTTGCTATTCATCATACAT 312
DB 590 GNNAAATTCCTCAGTATCTTTACCTTTTATGTTTAAACAAGTTT 541

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RESULT 11
US-09-266-417-63/c
; Sequence 63, Application US/09266417
; Patent No. 6228588
; GENERAL INFORMATION:
; APPLICANT: Benton, Bret
; APPLICANT: Lee, Ying J.
; APPLICANT: Malouin, Francois
; APPLICANT: Martin, Patrick K.
; APPLICANT: Schmidt, Molly B.
; APPLICANT: Sun, Dongxu
; TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
; TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
; TITLE OF INVENTION: TARGET GENES
; NUMBER OF SEQUENCES: 111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 MB
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/266,417

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1 FILING DATE: March 9, 1999
 2 CLASSIFICATION: 435
 3 PRIOR APPLICATION DATA:
 4 APPLICATION NUMBER: 08/714, 918
 5 FILING DATE: September 13, 1996
 6 APPLICATION NUMBER: 60/009, 102
 7 FILING DATE: December 22, 1995
 8 APPLICATION NUMBER: 60/003, 798
 9 FILING DATE: September 15, 1995
 10 ATTORNEY/AGENT INFORMATION:
 11 NAME: Warburg, Richard J.
 12 REGISTRATION NUMBER: 32,327
 13 REFERENCE/DOCKET NUMBER: 240/248
 14 TELECOMMUNICATION INFORMATION:
 15 TELEPHONE: (213) 489-1600
 16 TELEFAX: (213) 955-0440
 17 TELEX: 67-3510
 18 INFORMATION FOR SEQ ID NO: 63:
 19 SEQUENCE CHARACTERISTICS:
 20 LENGTH: 3592 base pairs
 21 TYPE: nucleic acid
 22 STRANDEDNESS: single
 23 TOPOLOGY: linear
 24
 25 US-09-266-417-63

Query Match	5.98;	Score 33.4;	DB 4;	Length 3592;
Best Local Similarity	48.28;	Pred. No. 2.4;		
Matches 82; Conservative	1;	Mismatches 87;	Indels 0;	Gaps 0

Qy	143	ACGTGGCCCTTTTGGAGTGGCTGCTCTTCATATCCATCATCTCAACAGTGGATGCA	203
Db	710	ACTTGAAGCTTTATTAGACTTTTAGGCACACAGTAAACCTTCAAAAGCGGACGAC	651
Qy	203	CCCTAAGCTACAGGCGCTGCATACCGCTGGCGCTTGGTGCATATCGAATCGAATCGGA	265
Db	650	CCCTCATCATCAATAGATGATATATATCATATGCTTGGCTCTTTTAAGCATCATATGAA	591
Qy	263	GTTGGCACTCTTTTTCATCCGCAACCCATCATGTGGCAATCATCATCACT	312
Db	590	GTATTCAGATTCCTTCAGATATCTTACCTTTTATATGTTATACCAACAGTTT	541

RESULT 12
 US-08-882-164D-37
 Sequence 37, Application US/08882164D
 Patent No. 6306624
 GENERAL INFORMATION:
 APPLICANT: Petkovitch, P. Martin, White, Jay A.,
 APPLICANT: Beckett, Barbara R., Jones, Glenville
 TITLE OF INVENTION: Retinoid Metabolizing Protein
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Blake, Cassels & Graydon
 STREET: Box 25, Commerce Court West
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5L 1A9
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3 1/2 inch, 1.4 Mb storage
 COMPUTER: COMPAD, IBM PC compatible
 OPERATING SYSTEM: MS-DOS 5.1
 SOFTWARE: WORD PERFECT
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/882,164D
 FILING DATE: June 25, 1997
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/667,546
 FILING DATE: June 21, 1996
 APPLICATION NUMBER: 08/724,466
 FILING DATE: October 1, 1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Hunt, John C.

? REGISTRATION NUMBER: 36,424
? REFERENCE/DOCKET NUMBER: 50767/00010
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (416) 863-4344
? TELEFAX: (416) 863-2653
? INFORMATION FOR SEQ ID NO: 37:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 683 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? US-08-882-164D-37

Query Match	5.88;	Score 33;	DB 4;	Length 683;
Best Local Similarity	50.3%;	Pred. No. 1.3;		
Matches 81;	Conservative 0;	Mismatches 80;	Indels 0;	Gaps 0

QY	449	ATTAAGGCTCTCCATGAGCAGATCATTAATGAGGGCAAGATATAATGTCTGTGTGAA	408
QY	450	ATTAAGGCTCTCCATGAGCAGATCATTAATGAGGGCAAGATATAATGTCTGTGTGAA	409
Db	29	ATAGGGCAGACAAATTAATCAAAAGCATAGCAATTTGCACGACAGCTAGGGAGAAAGAG	88
QY	409	AAATTGATCAGCTGAGGATATGAGAGAAAGAACCCCGCTCACTGTCTGSA	466
Db	89	GAGCTTTTAACCCACACAAAGAGAGAGAGAGATTTTAACTTACATTTAATTC	148
QY	469	AGAGAGAGAGTGGAGCACACAGCTTTTTCGATTTGGGGGA	509
Db	149	AAGCTTTTCAGAGCAACCCGAAACCCCTCTCGAATCGGGGA	189

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RESIDU: 13
US-09-461-697-205
: Sequence 205, Application US/09461697
: Patent No. 6277974
: GENERAL INFORMATION:
: APPLICANT: COGENT NEUROSCIENCE, Inc.
: APPLICANT: Ico, Donald C.
: APPLICANT: Barney, Shawn
: APPLICANT: Thomas, Mary Beth
: APPLICANT: Portbury, Stuart D.
: APPLICANT: Putnam, Kasturi
: APPLICANT: Katz, Lawrence C.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING
: TITLE OF INVENTION: AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING
: TITLE OF INVENTION: CELL DEATH
: FILE REFERENCE: 10001-005-999
: CURRENT APPLICATION NUMBER: US/09/461,697
: CURRENT FILING DATE: 1999-12-14
: NUMBER OF SEQ ID NOS: 466
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 205
: LENGTH: 282
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-461-697-205

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Query Match	5.8%	Score 33.8	DB 4	Length 282
Best Local Similarity	54.0%	Pred. No. 0.92	Mismatches 57	Indels 0
Matches	67	Conservative	0	Gaps 0
QY	323	AGATCAGAGGGAGAGGAGATTATGATTAAGCTCTCCATGAGCAGATCATTAATGAGC	382	
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QY	383	GCAAGATTAATAATGTTCCATGATGAAAAAATTAATCAACTGCAGATRTGAGAGAAAGC	442	
Db	110	TGCAAAAAGAGAAAAGAGATGAAAAAAGATGAAACGAGAAAAGAAATGAGAAATGG	169	
QY	443	CAAA	446	
Db	170	AAAA	173	

10

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OM nucleic - nucleic search, using sw model

Run on: April 23, 2003, 13:50:35 ; Search time 97 Seconds
(without alignments)
6394.159 Million cell updates/sec

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Scoring table:
IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 709820 seqs, 544064369 residues

Total number of hits satisfying chosen parameters: 1419640

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	105.4	18.5	454 10 US-09-864-761-11449	Sequence 11449, A
2	94	16.5	94 10 US-09-864-761-28040	Sequence 28040, A
3	36.4	6.4	269 9 US-10-216-408-7	Sequence 7, Appl1
4	36.4	6.4	7032 9 US-10-092-154-1429	Sequence 1429, Ap
5	36.4	6.4	7032 10 US-09-764-847-1429	Sequence 1429, Ap
6	35.8	6.3	301 9 US-10-216-408-8	Sequence 8, Appl1
7	35.8	6.3	317 9 US-09-803-719-2269	Sequence 2269, Ap
8	35.8	6.3	321 9 US-09-803-719-2329	Sequence 2329, Ap
9	35.8	6.3	1312 9 US-09-981-353-62	Sequence 62, Appl1
10	35.8	6.3	1314 9 US-10-216-408-16	Sequence 16, Appl1
11	35.8	6.3	1324 9 US-10-158-646-49	Sequence 49, Appl1
12	35.8	6.3	1354 10 US-09-864-711-8	Sequence 8, Appl1
13	35.8	6.3	1388 9 US-10-023-896-11	Sequence 11, Appl1
14	35.8	6.3	1410 9 US-10-023-896-40	Sequence 40, Appl1
15	35.8	6.3	1410 9 US-09-925-299-67	Sequence 67, Appl1
16	35.8	6.3	1410 10 US-09-925-299-67	Sequence 67, Appl1
17	35.2	6.2	1011 9 US-09-938-842A-1719	Sequence 1719, Ap
18	34.8	6.1	1119 9 US-10-123-155-352	Sequence 352, App
19	34.4	6.0	412 9 US-09-918-995-22363	Sequence 22363, A

C	20	34.4	6.0	2522	10	US-09-745-763-114	Sequence 114, App
	21	34.2	6.0	329	10	US-09-730-617-65	Sequence 65, Appl
	22	34.2	6.0	520	10	US-09-730-617-9	Sequence 9, Appl1
	23	34.2	6.0	585	10	US-09-976-472-1	Sequence 1, Appl1
	24	34	6.0	292	10	US-09-964-824A-424	Sequence 424, App
	25	34	6.0	292	10	US-09-880-107-411	Sequence 411, App
	26	34	6.0	340	9	US-09-735-457-1688	Sequence 1688, Ap
	27	34	6.0	340	9	US-09-902-941-1688	Sequence 1688, Ap
	28	34	6.0	340	9	US-09-843-626-1688	Sequence 1688, Ap
	29	34	6.0	340	9	US-10-017-754-1688	Sequence 1688, Ap
C	30	34	6.0	343	12	US-10-044-090-240	Sequence 240, App
C	31	34	6.0	3483	10	US-09-886-683A-3	Sequence 3, Appl1
C	32	34	6.0	3483	12	US-10-105-929-3	Sequence 3, Appl1
C	33	33.6	5.9	734	9	US-10-184-644-458	Sequence 458, App
C	34	33.6	5.9	734	9	US-10-184-644-458	Sequence 458, App
C	35	33.4	5.9	594	9	US-10-123-155-10	Sequence 10, Appl
C	36	33.4	5.9	173808	12	US-10-003-806-10	Sequence 94, Appl
C	37	33	5.8	396	9	US-09-970-966-94	Sequence 94, Appl
C	38	33	5.8	396	10	US-09-825-294-94	Sequence 94, Appl
C	39	33	5.8	520	9	US-10-184-644-332	Sequence 332, App
C	40	33	5.8	520	9	US-10-184-644-332	Sequence 332, App
	41	33	5.8	148567	9	US-10-254-869-3	Sequence 3, Appl1
	42	33	5.8	148567	10	US-09-801-876B-3	Sequence 3, Appl1
	43	32.8	5.8	282	10	US-09-922-261-205	Sequence 205, App
	44	32.8	5.8	306	10	US-09-922-261-203	Sequence 203, App
	45	32.8	5.8	696	10	US-09-922-261-193	Sequence 193, App

ALIGNMENTS

RESULT 1
US-09-864-761-11449
Sequence 11449, Application US/09864761
Patent No. US2002048763A1
GENERAL INFORMATION:
APPLICANT: Penn. Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aecm1ca-x-1
CURRENT APPLICATION NUMBER: US/09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/532,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263,6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30

1	CURRENT APPLICATION NUMBER:	US 09/864,763
2	CURRENT FILING DATE:	2001-05-23
3	PRIOR APPLICATION NUMBER:	US 60/180,312
4	PRIOR FILING DATE:	2000-02-04
5	PRIOR APPLICATION NUMBER:	US 60/207,456
6	PRIOR FILING DATE:	2000-05-26
7	PRIOR APPLICATION NUMBER:	US 09/632,366
8	PRIOR FILING DATE:	2000-08-03
9	PRIOR APPLICATION NUMBER:	GB 24263, 6
10	PRIOR FILING DATE:	2000-10-04
11	PRIOR APPLICATION NUMBER:	US 60/236,359
12	PRIOR FILING DATE:	2000-09-27
13	PRIOR APPLICATION NUMBER:	PCF/US01/00666
14	PRIOR FILING DATE:	2001-01-30
15	PRIOR APPLICATION NUMBER:	PCF/US01/00667
16	PRIOR FILING DATE:	2001-01-30
17	PRIOR APPLICATION NUMBER:	PCF/US01/00664
18	PRIOR FILING DATE:	2001-01-30
19	PRIOR APPLICATION NUMBER:	PCF/US01/00669
20	PRIOR FILING DATE:	2001-01-30
21	PRIOR APPLICATION NUMBER:	PCF/US01/00665
22	PRIOR FILING DATE:	2001-01-30
23	PRIOR APPLICATION NUMBER:	PCF/US01/00668
24	PRIOR FILING DATE:	2001-01-30

NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Fastsoft for Windows Version 2.0.


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COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION NUMBER:
APPLICATION NUMBER: US/10/216.408
FILING DATE: 09-Aug-2002
CLASSIFICATION: <unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/959.634
FILING DATE: <unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6188-US-01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <unknown>
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 201 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-10-216-408-8

Query Match
Best Local Similarity 54.1%; Score 35.8; DB 9; Length 201;
Matches 73; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

152 CTTTCGAGGCTGCTCTCTTCATTCATCCATCCATCAGCTGAGTGCAGACCCCTAGTA 211
11 CTTTGGACCTGCGGTGGTGGCCACACTGGAACCTGATCTGCTGGCC 70
212 CACGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 271
71 CACCTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 130
272 TCTTTTCATCTCA 286
131 CCGCCCTCATCTCA 145

RESULT 7
US-09-803-719-2269
Sequence 2269, Application US/09803719
Publication No. US20030044783A1
GENERAL INFORMATION:
APPLICANT: Williams, Lewis T.
APPLICANT: Escobedo, Jaime
APPLICANT: Innis, Michael A.
APPLICANT: Garcia, Pablo Dominguez
APPLICANT: Sudduth-Klinger, Julie
APPLICANT: Reinhard, Christoph
APPLICANT: Giese, Klaus
APPLICANT: Randazzo, Filippo
APPLICANT: Kennedy, Giulia C.
APPLICANT: Pot, David
APPLICANT: Kassam, Altaf
APPLICANT: Lamson, George
APPLICANT: Drmanac, Radolje
APPLICANT: Civenjakov, Radomir
APPLICANT: Dickson, Mark
APPLICANT: Drmanac, Snezana
APPLICANT: Labat, Ivan
APPLICANT: Leshkowitz, Dena
APPLICANT: Kita, David
APPLICANT: Garcia, Veronica
APPLICANT: Jones, Lee William
APPLICANT: Stache-Crain, Birgit
TITLE OF INVENTION: Human Genes and Gene Products
FILE REFERENCE: 1624.002
```

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CURRENT APPLICATION NUMBER: US/09/803.719
CURRENT FILING DATE: 2001-03-09
PRIORITY APPLICATION NUMBER: 60/188.609
PRIORITY FILING DATE: 2000-03-09
NUMBER OF SEQ ID NOS: 2396
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2269
LENGTH: 317
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc-feature
LOCATION: (1)...(317)
OTHER INFORMATION: n = A,T,C or G
US-09-803-719-2269

Query Match
Best Local Similarity 54.1%; Score 35.8; DB 9; Length 317;
Matches 73; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

152 CTTTCGAGGCTGCTCTCTTCATTCATCCATCCATCAGCTGAGTGCAGACCCCTAGTA 211
40 CTTTGGACCTGCGGTGGTGGCCACACTGGAACCTGATCTGCTGGCC 99
212 CACGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 271
100 CACCTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 159
272 TCTTTTCATCTCA 286
160 CCGCCCTCATCTCA 174

RESULT 8
US-09-803-719-2329
Sequence 2329, Application US/09803719
Publication No. US20030044783A1
GENERAL INFORMATION:
APPLICANT: Williams, Lewis T.
APPLICANT: Escobedo, Jaime
APPLICANT: Innis, Michael A.
APPLICANT: Garcia, Pablo Dominguez
APPLICANT: Sudduth-Klinger, Julie
APPLICANT: Reinhard, Christoph
APPLICANT: Giese, Klaus
APPLICANT: Randazzo, Filippo
APPLICANT: Kennedy, Giulia C.
APPLICANT: Pot, David
APPLICANT: Kassam, Altaf
APPLICANT: Lamson, George
APPLICANT: Drmanac, Radolje
APPLICANT: Civenjakov, Radomir
APPLICANT: Dickson, Mark
APPLICANT: Drmanac, Snezana
APPLICANT: Labat, Ivan
APPLICANT: Leshkowitz, Dena
APPLICANT: Kita, David
APPLICANT: Garcia, Veronica
APPLICANT: Jones, Lee William
APPLICANT: Stache-Crain, Birgit
TITLE OF INVENTION: Human Genes and Gene Products
FILE REFERENCE: 1624.002
CURRENT APPLICATION NUMBER: US/09/803.719
CURRENT FILING DATE: 2001-03-09
PRIORITY APPLICATION NUMBER: 60/188.609
PRIORITY FILING DATE: 2000-03-09
NUMBER OF SEQ ID NOS: 2396
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2329
LENGTH: 321
TYPE: DNA
ORGANISM: Homo sapiens
US-09-803-719-2329
```


TITLE OF INVENTION:	Conifer Resistance to Maize Dwarf Mosaic Virus and Other
TITLE OF INVENTION:	Monocotyledonous Plant Viruses

CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-Geigy Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: NY
COUNTRY: USA
ZIP: 10532
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.308
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/496,944
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: CGC 1814
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2763 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-496-944-2

Query Match 7.7%; Score 77.5; DB 3; Length 2763;
Best Local Similarity 20.5%; Pred. No. 12;
Matches 27; Conservative 26; Mismatches 54; Indels 25; Gaps 4;

OY 66 IDPLSTRGYLVWVYIRNLGSHFFLLVLLVLYVYVQTEGRKIM----- 116
DB 619 IRIKTK-----VYFIDIFRLVHIFVLSLTITANTIIYTMNDYKRLKQOREDEYE 672
OY 117 -----IRLHQIINEGDKMFLIKLKDMEKKANSSVLYRREVEOGFLHGER 171
DB 673 AEISEVRHSHSTLMEKRDNL-TCQFLEYM---RXNHPRLVGXITLDLTHGVHIGRS 727
OY 172 DGSIDLRSRSV 183
DB 728 NLETNLBOGMAV 739

RESULT 3
US-09-134-001C-3458
Sequence 3458, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3458
LENGTH: 312
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3458

Query Match 7.5%; Score 75.5; DB 4; Length 312;
Best Local Similarity 24.6%; Pred. No. 1.1;
Matches 33; Conservative 23; Mismatches 43; Indels 35; Gaps 7;

OY 16 MMTFFFLFLFFPSFTGVL-----CTLAITWRLKPSADCGP-----FRGLPL--- 57
DB 16 MMTFFFLFLFFPSFTGVL-----CTLAITWRLKPSADCGP-----FRGLPL--- 57

DB 177 LMAITVLLI---YTGALVRHRTKSSALGACMPI-PFDDIVPNNADWOFSHRGAPITF 232
OY 58 -----FIHSIYSWIDILSTRPGVL--VWVYIRNLGSHFFLLVLY-----LIITY 104
DB 233 IWMITFTHAIKNSDNTVRGYTASFLVILVQVITGALSVTVNMLALFHALFTTY 292
OY 105 LYMOITEGCRKIMIR 118
DB 293 LFGMIATVILIMLR 306

RESULT 4
US-09-134-001C-3949
Sequence 3949, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3949
LENGTH: 412
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3949

Query Match 7.3%; Score 73.5; DB 4; Length 412;
Best Local Similarity 25.9%; Pred. No. 2.7;
Matches 30; Conservative 13; Mismatches 24; Indels 49; Gaps 6;

OY 22 FLFFPSFTGVCTLAITWRLKPSADCGPFRGLPFHSIYS-----WIDTIS 70
DB 101 FLALFIS-----LFLVIM-----FPASFTI--IFSALMGIAVSPVIMTMS 141
OY 71 T-----RPGYLVWVYIRNLGSHV-----HFFLLVLLVLYVLYW 107
DB 142 SYDERNRGKMGYVYSMLGLLVGVIMNLTKFHTPRFAFLVALVLLAVLY 197

RESULT 5
US-09-134-001C-3020
Sequence 3020, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3020
LENGTH: 467
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3020

Query Match 7.3%; Score 73; DB 4; Length 467;
Best Local Similarity 24.2%; Pred. No. 3.7;
Matches 40; Conservative 28; Mismatches 55; Indels 42; Gaps 10;

OY 10 AMRASOMTFFFLFLFFPSFTGVCTLAITWRLKPSADCGPFRGL--PLFIHSIYSWI-- 66
DB 10 AMRASOMTFFFLFLFFPSFTGVCTLAITWRLKPSADCGPFRGL--PLFIHSIYSWI-- 66

DB 132 AM-----IVFHVLFLE-GEQCKTILMVVFGI-----RGLAVPLFLVAMVWIA 176
 OY 67 -----DILSTRPGYLVWV-----YRNIGSV---HEFFITLVLITLYLWQITGR 113
 DB 177 OVTPGARASAMGFMFMYCIGLIGLGNMTPSLISRIGFITLWVG---FWVAAGL 232
 OY 114 KIMIRLLEOITINGEKDMPLEIKLIDPMERKANPSSLVLERR 158
 DB 233 MINV-LYVERGAGKPDADVTLVERLTKL-----SSGVITIAERR 270

RESULT 6

US-08-137-614A-2
 ; Sequence 2, Application US/08137614A
 ; Patent No. 5487976
 ; GENERAL INFORMATION:
 ; APPLICANT: Soderlund, David M.
 ; APPLICANT: Knipple, Douglas C.
 ; APPLICANT: Henderson, Joseph R.
 ; TITLE OF INVENTION: Gene Encoding An Insect
 ; TITLE OF INVENTION: Gamma Aminobutyric Acid (GABA) Receptor Subunit
 ; NUMBER OF SEQUENCES: 31
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Nixon, Hargrave, Devans & Doyle
 ; STREET: Clinton Square, P.O. Box 1051
 ; CITY: Rochester
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 14603
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: IBM PC compatible
 ; SOFTWARE: PC-DOS/MS-DOS
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/137,614A
 ; FILING DATE: 15-OCT-1993
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Timlan, Susan J.
 ; REGISTRATION NUMBER: 34,103
 ; REFERENCE/DOCKET NUMBER: 19603/120
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (716)263-1600
 ; TELEFAX: (716)263-1600
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 496 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-137-614A-2

Query Match 7.38; Score 73; DB 1; Length 496;
 Best Local Similarity 19.88; Pred. No. 4;

Matches 36; Conservative 36; Mismatches 80; Indels 30; Gaps 6;
 OY 4 FQPPSKANRASOMTFEFLFPPSTGVLCITLAIIMRLKPSADCGPRGLP--LFIHS 61
 DB 243 YORLSISFKLORNGYFVQTYLPSILIVMSV-VEFWINHEATSAVVALGTTVLTMTT 301
 OY 62 IYSWIDTSTRGYLVWVWIYRNIGSVHEFFILTLIVLITLYLWQITEGRKIMIRLH 121
 DB 302 ISTGVSSLPRISTYVKADIT--LVNCFVVFVFAALLEFAAVNTYV---GRRAKKIKK 355
 OY 122 EOLINEGR-----DKMFLIEKLIKQDMEKANPSSLYLREVEVOGFIHLGEHDS 174
 DB 356 VEECPGKIGKSERSECTSTEDITIELQDVMSPIPS-----LRGTYNAT 401
 OY 175 LD 176
 DB 402 LD 403

RESULT 7

US-08-768-301-2
 ; Sequence 2, Application US/08768301
 ; Patent No. 5854002
 ; GENERAL INFORMATION:
 ; APPLICANT: Tomalski, Michael D.
 ; APPLICANT: Gant, Daniel B.
 ; TITLE OF INVENTION: METHOD OF IDENTIFYING COMPOUNDS THAT BIND
 ; TITLE OF INVENTION: TO THE INSECT GABA RECEPTOR
 ; NUMBER OF SEQUENCES: 6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
 ; STREET: 30 Rockefeller Plaza
 ; CITY: New York
 ; STATE: NY
 ; COUNTRY: U.S.A.
 ; ZIP: 10112-0228
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq Version 1.5
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/768,301
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION NUMBER:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: MacLeod, Janet M.
 ; REGISTRATION NUMBER: 35,263
 ; REFERENCE/DOCKET NUMBER: A30693
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 212-408-2500
 ; TELEFAX: 212-765-2519
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 496 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; HYPOTHEICAL: NO
 ; ANTI-SENSE: NO
 ; FRAGMENT TYPE: Internal
 ; ORIGINAL SOURCE:
 ; US-08-768-301-2

Query Match 7.38; Score 73; DB 2; Length 496;
 Best Local Similarity 19.88; Pred. No. 4;

Matches 36; Conservative 36; Mismatches 80; Indels 30; Gaps 6;
 OY 4 FQPPSKANRASOMTFEFLFPPSTGVLCITLAIIMRLKPSADCGPRGLP--LFIHS 61
 DB 243 YORLSISFKLORNGYFVQTYLPSILIVMSV-VEFWINHEATSAVVALGTTVLTMTT 301
 OY 62 IYSWIDTSTRGYLVWVWIYRNIGSVHEFFILTLIVLITLYLWQITEGRKIMIRLH 121
 DB 302 ISTGVSSLPRISTYVKADIT--LVNCFVVFVFAALLEFAAVNTYV---GRRAKKIKK 355
 OY 122 EOLINEGR-----DKMFLIEKLIKQDMEKANPSSLYLREVEVOGFIHLGEHDS 174
 DB 356 VEECPGKIGKSERSECTSTEDITIELQDVMSPIPS-----LRGTYNAT 401
 OY 175 LD 176
 DB 402 LD 403

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
TELEX: 90-4030 MRSNFOERWSH
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 415 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: Modified-site
LOCATION: group(9, 12, 33, 40, 48)
OTHER INFORMATION: /note="extracellular Asp residues
OTHER INFORMATION: that are consensus sites for N-linked glycosylation"
US-08-405-271a-20

Query Match 7.1%; Score 71.5; DB 4; Length 415;
Best Local Similarity 22.4%; Pred. No. 4.7;
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;

QY 25 FFPSTGV-LCTLAITIRLKPASDCGPRGLPL-----FINSIYSWI----- 66
DB 150 YNNFTSIFLTCTMSVD---RYIAVCHPVKALDERTPRNAKIIIVCMWILSSATGLPYM 205
QY 67 --DLSTRPG-----YLMVWVIYRNIGSVHFFILTLVLTLYLWQTEGRKIM 117
DB 206 PMATTKRQSGIDCTLFPSHPTWENLVKICVFIFARIMPLVITVCY-----GLML 259
QY 118 RLHEQIINEGDKR 131
DB 260 RLKSVRLSSGSKER 273

RESULT 12
US-08-726-214-8
Sequence 8, Application US/08726214
Patent No. 6107076
GENERAL INFORMATION:
APPLICANT: Tang, Wei-Jen
APPLICANT: Gilman, Alfred G.
TITLE OF INVENTION: SOLUBLE MAMMALIAN ADENYLYL CYCLASE
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: United States of America
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/726,214
FILING DATE: Concurrently Herewith
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/005,498
FILING DATE: 04-Oct-1995
ATTORNEY/AGENT INFORMATION:
NAME: Highlander, Steven L.
REGISTRATION NUMBER: 37,642
REFERENCE/DOCKET NUMBER: UTSD:450
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (512) 474-7577
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1064 amino acids

TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-726-214-8

Query Match 7.1%; Score 71.5; DB 3; Length 1064;
Best Local Similarity 28.3%; Pred. No. 17;
Matches 26; Conservative 16; Mismatches 25; Indels 25; Gaps 6;

QY 20 FIFLPPSPFVGICTLAITIRLKPASDCGPRGLPLFHSIYSWD-----TL 69
DB 726 FLSCSLFLHNSFELKLLILMLV---ASCS-----LFLHS-HAWLSDCLARLYOGSL 775
QY 70 STRPGYLMVVIYRNIGSVHFF-FITLTVL 100
DB 776 GSRPGVL-----KEPKLMGATYFFIFFFTLLVL 803

RESULT 13
US-09-134-001C-4778
Sequence 4778, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
PRIOR FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 4778
LENGTH: 179
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4778

Query Match 7.0%; Score 70.5; DB 4; Length 179;
Best Local Similarity 21.4%; Pred. No. 2;
Matches 22; Conservative 23; Mismatches 23; Indels 35; Gaps 5;

QY 57 LFHSIYSWIDTLSTR-----PGYLMVVIYRN-----LIGSVHFFITLTVL 101
DB 36 LVFDQYSKMLITISMVGVSYETIIPNPLNT-SHRNNGAMGILSGMLFFIITITILL 94
QY 102 ITYLTWQTEGR-----KIRRLHEQIIN 126
DB 95 VLVIFY-IKEADFNLFMOVAISLLFAGALGNFYDVLHGEVVD 136

RESULT 14
US-08-430-286a-2
Sequence 2, Application US/08430286A
Patent No. 6225080
GENERAL INFORMATION:
APPLICANT: Uhl, George R.
APPLICANT: Eppler, C. Mark
APPLICANT: Wang, Jai-Bel
TITLE OF INVENTION: Mu-Subtype Opioid Receptor
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: US
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/430,286A
APPLICATION NUMBER: US/08/430,286A
FILING DATE: 28-APR-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Robinson, Joseph R.
REGISTRATION NUMBER: 33,448
REFERENCE/DOCKET NUMBER: 0646/1A843-US5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-527-7700
TELEFAX: 212-753-6237
TELEX: 236687
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 356 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Rattus rattus
IMMEDIATE SOURCE:
CLONE: mu receptor amino acid
US-08-430-286A-2

Query Match 7.0%; Score 70.5; DB 4; Length 356;
Best Local Similarity 22.4%; Pred. No. 5;
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;
QY 25 FPPSFTGV--LCTLATITWRLKPSADCGPRGLPL-----FHSIYSWI----- 66
DB 106 YNMFTSIFLTCTMSVD---RYIAVCHPVKALDPRTPRNNAKIYVNCNMILSSAIGLPYM 161
QY 67 --DTLSTRPG-----YLMVWVIYRNILGSHPEFILLIYVLIYLYWQTEGKIMI 117
DB 162 FMATTKYRGSIDCTLTFTSHPTWYEWMLKICVFIFAFIMPVLLITVCY-----GLMITL 215
QY 118 RLHEQIINEGKDK 131
DB 216 RLKSVRLMSGSEK 229

RESULT 15
US-08-430-286A-5
Sequence 5, Application US/08430286A
Patent No. 6225060
GENERAL INFORMATION:
APPLICANT: Uhl, George R.
APPLICANT: Eppler, C. Mark
APPLICANT: Wang, Jai-Bel
TITLE OF INVENTION: Mu-Subtype Opioid Receptor
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: US
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/430,286A
FILING DATE: 28-APR-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Robinson, Joseph R.

REGISTRATION NUMBER: 33,448
REFERENCE/DOCKET NUMBER: 0646/1A843-US5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-527-7700
TELEFAX: 212-753-6237
TELEX: 236687
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 356 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Rattus rattus
IMMEDIATE SOURCE:
CLONE: MDR-1
US-08-430-286A-5

Query Match 7.0%; Score 70.5; DB 4; Length 356;
Best Local Similarity 22.4%; Pred. No. 5;
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;
QY 25 FPPSFTGV--LCTLATITWRLKPSADCGPRGLPL-----FHSIYSWI----- 66
DB 106 YNMFTSIFLTCTMSVD---RYIAVCHPVKALDPRTPRNNAKIYVNCNMILSSAIGLPYM 161
QY 67 --DTLSTRPG-----YLMVWVIYRNILGSHPEFILLIYVLIYLYWQTEGKIMI 117
DB 162 FMATTKYRGSIDCTLTFTSHPTWYEWMLKICVFIFAFIMPVLLITVCY-----GLMITL 215
QY 118 RLHEQIINEGKDK 131
DB 216 RLKSVRLMSGSEK 229

Search completed: April 16, 2003, 13:03:41
Job time: 16 secs

GenCore version 5.1.4-p5_4578
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OM protein - protein search, using sw model

Run on: April 16, 2003, 13:10:02 ; Search time 18 Seconds
(without alignments)
798.147 Million cell updates/sec

Title: US-09-895-298a-83

Perfect score: 190
Sequence: 1 MNMFPPPSAKWRAKQWMTFF.....HDSIDLRSRVQEGNPR 190

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Gapop 60.0, Gapext 60.0

Searched: 288629 seqs, 75613885 residues

Word size: 4

Total number of hits satisfying chosen parameters: 100279

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Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database: Published.Applications_AA:*

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- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/PCITUS_PUBCOMB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	31	16.3	31	10 US-09-864-761-44182	Sequence 44182, A
2	31	3.7	486	9 US-10-051-902-10	Sequence 10, App1
3	7	3.7	486	9 US-10-051-909-10	Sequence 10, App1
4	6	3.2	21	9 US-09-974-879-393	Sequence 393, App
5	6	3.2	33	9 US-10-081-816-115	Sequence 912, App
6	6	3.2	33	9 US-10-012-896-912	Sequence 912, App
7	6	3.2	39	9 US-09-895-793-912	Sequence 912, App
8	6	3.2	39	9 US-09-895-814-912	Sequence 912, App
9	6	3.2	39	10 US-09-755-143-912	Sequence 912, App
10	6	3.2	39	10 US-09-780-669-912	Sequence 912, App
11	6	3.2	39	10 US-09-822-827-912	Sequence 912, App
12	6	3.2	41	9 US-10-116-255-63	Sequence 63, App1
13	6	3.2	48	10 US-09-864-761-36751	Sequence 36751, A
14	6	3.2	56	9 US-10-001-883-127	Sequence 127, App
15	6	3.2	60	9 US-09-796-692-779	Sequence 779, App
16	6	3.2	60	9 US-09-796-692-1111	Sequence 1111, App
17	6	3.2	60	9 US-09-796-692-1124	Sequence 1124, App
18	6	3.2	60	9 US-09-796-692-1425	Sequence 1425, App
19	6	3.2	60	9 US-09-796-692-1577	Sequence 1577, App

20	6	3.2	60	10 US-09-864-761-36952	Sequence 36952, A
21	6	3.2	61	9 US-10-091-483-166	Sequence 166, App
22	6	3.2	61	10 US-09-764-846-166	Sequence 166, App
23	6	3.2	66	10 US-09-864-761-34437	Sequence 34437, A
24	6	3.2	69	9 US-09-776-724A-108	Sequence 108, App
25	6	3.2	70	9 US-09-974-879-391	Sequence 391, App
26	6	3.2	73	9 US-10-083-357-1157	Sequence 1157, App
27	6	3.2	73	10 US-09-864-761-45641	Sequence 45641, A
28	6	3.2	76	9 US-09-796-692-1017	Sequence 1017, App
29	6	3.2	86	9 US-10-116-255-62	Sequence 62, App1
30	6	3.2	87	9 US-09-764-868-1134	Sequence 1134, App
31	6	3.2	96	10 US-09-864-761-48748	Sequence 48748, A
32	6	3.2	99	10 US-09-864-761-36470	Sequence 36470, A
33	6	3.2	100	10 US-09-840-459-33	Sequence 33, App1
34	6	3.2	104	10 US-09-925-297-526	Sequence 526, App
35	6	3.2	106	9 US-09-950-933A-78	Sequence 78, App1
36	6	3.2	106	9 US-09-950-933A-79	Sequence 79, App1
37	6	3.2	106	9 US-09-950-933A-96	Sequence 96, App1
38	6	3.2	111	9 US-10-063-347-130	Sequence 130, App
39	6	3.2	111	9 US-10-174-590-382	Sequence 382, App
40	6	3.2	111	9 US-10-174-590-382	Sequence 382, App
41	6	3.2	111	9 US-10-176-758-130	Sequence 130, App
42	6	3.2	111	9 US-10-063-616-130	Sequence 130, App
43	6	3.2	111	9 US-10-175-737-382	Sequence 382, App
44	6	3.2	111	9 US-10-063-502-130	Sequence 130, App
45	6	3.2	111	9 US-10-173-706-382	Sequence 382, App
				US-10-175-738-382	Sequence 382, App

ALIGNMENTS

RESULT 1
US-09-864-761-44182
Sequence 44182, Application US/09864761
Patent No. US2002048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OR INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEOTIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aesomica-X-1
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US/09/864, 761
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263, 6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30

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;; PRIOR APPLICATION NUMBER: PCT/US01/00670
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: US 60/234,687
;; PRIOR FILING DATE: 2000-09-21
;; PRIOR APPLICATION NUMBER: US 09/608,408
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: US 09/774,203
;; PRIOR FILING DATE: 2001-01-29
;; NUMBER OF SEQ ID NOS: 49117
;; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
;; SEQ ID NO 44182
;; LENGTH: 31
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; FEATURE:
;; OTHER INFORMATION: MAP TO AC003108.1
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78
;; OTHER INFORMATION: EST_HUMAN HIT: AM582253.1, EVALUATE 2.00e-09
US-09-864-761-44182
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Query Match          16.3%; Score 31; DB 10; Length 31;
Best Local Similarity 100.0%; Pred. No. 4e-23;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Oy 131 KMFLEIKLIKIDMKRANPSSLVLRREVE 161
DB 1 KMFLEIKLIKIDMKRANPSSLVLRREVE 31
```

```
RESULT 2
;; Sequence 10, Application US/10051902
;; Patent No. US20020178468A1
;; GENERAL INFORMATION:
;; APPLICANT: Allen, Steve
;; APPLICANT: Hiltz, Bill
;; APPLICANT: Kinney, Tony
;; APPLICANT: Tingey, Scott
;; TITLE OF INVENTION: Plant Sugar Transport Proteins
;; FILE REFERENCE: BB-1163
;; CURRENT APPLICATION NUMBER: US/10/051,902
;; CURRENT FILING DATE: 2002-01-17
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/291,922
;; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-14
;; NUMBER OF SEQ ID NOS: 30
;; SOFTWARE: Microsoft Office 97
;; SEQ ID NO 10
;; LENGTH: 486
;; TYPE: PRT
;; ORGANISM: Glycine max
US-10-051-902-10
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Query Match          3.7%; Score 7; DB 9; Length 486;
Best Local Similarity 100.0%; Pred. No. 89;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 148 ANPSSLV 154
DB 41 ANPSSLV 47
```

```
RESULT 3
;; Sequence 10, Application US/10051909
;; Publication No. US20020199217A1
;; GENERAL INFORMATION:
;; APPLICANT: Allen, Steve
;; APPLICANT: Hiltz, Bill
;; APPLICANT: Kinney, Tony
;; APPLICANT: Tingey, Scott
;; TITLE OF INVENTION: Plant Sugar Transport Proteins
;; FILE REFERENCE: BB-1163
;; CURRENT APPLICATION NUMBER: US/10/051,902
;; CURRENT FILING DATE: 2002-01-17
;; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/291,922
;; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-14
;; NUMBER OF SEQ ID NOS: 30
;; SOFTWARE: Microsoft Office 97
;; SEQ ID NO 10
;; LENGTH: 486
;; TYPE: PRT
;; ORGANISM: Glycine max
US-10-051-902-10
```

```
;; APPLICANT: Hiltz, Bill
;; APPLICANT: Kinney, Tony
;; APPLICANT: Tingey, Scott
;; TITLE OF INVENTION: Plant Sugar Transport Proteins
;; FILE REFERENCE: BB1163 US CIP
;; CURRENT APPLICATION NUMBER: US/10/051,909
;; CURRENT FILING DATE: 2002-01-17
;; PRIOR APPLICATION NUMBER: 60/083,044
;; PRIOR FILING DATE: April 24, 1998
;; NUMBER OF SEQ ID NOS: 38
;; SOFTWARE: Microsoft Office 97
;; SEQ ID NO 10
;; LENGTH: 486
;; TYPE: PRT
;; ORGANISM: Glycine max
US-10-051-909-10
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```
Query Match          3.7%; Score 7; DB 9; Length 486;
Best Local Similarity 100.0%; Pred. No. 89;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Oy 148 ANPSSLV 154
DB 41 ANPSSLV 47
```

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RESULT 4
;; Sequence 393, Application US/0974879
;; Publication No. US20030028003A1
;; GENERAL INFORMATION:
;; APPLICANT: Rosen et al.
;; TITLE OF INVENTION: 125 Human Secreted Proteins
;; FILE REFERENCE: P2020P2
;; CURRENT APPLICATION NUMBER: US/09/974,879
;; CURRENT FILING DATE: 2001-10-12
;; PRIOR APPLICATION NUMBER: US 60/239,893
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: US 09/818,683
;; PRIOR FILING DATE: 2001-03-28
;; PRIOR APPLICATION NUMBER: US 09/305,736
;; PRIOR FILING DATE: 1999-05-05
;; PRIOR APPLICATION NUMBER: PCT/US98/23435
;; PRIOR FILING DATE: 1998-11-04
;; PRIOR APPLICATION NUMBER: US 60/064,911
;; PRIOR FILING DATE: 1997-11-07
;; PRIOR APPLICATION NUMBER: US 60/064,912
;; PRIOR FILING DATE: 1997-11-07
;; PRIOR APPLICATION NUMBER: US 60/064,983
;; PRIOR FILING DATE: 1997-11-07
;; PRIOR APPLICATION NUMBER: US 60/064,900
;; PRIOR FILING DATE: 1997-11-07
;; PRIOR APPLICATION NUMBER: US 60/064,988
;; PRIOR FILING DATE: 1997-11-07
;; PRIOR APPLICATION NUMBER: US 60/064,987
;; PRIOR FILING DATE: 1997-11-07
;; PRIOR APPLICATION NUMBER: US 60/064,908
;; PRIOR FILING DATE: 1997-11-07
;; PRIOR APPLICATION NUMBER: US 60/064,984
;; PRIOR FILING DATE: 1997-11-07
;; PRIOR APPLICATION NUMBER: US 60/064,985
;; PRIOR FILING DATE: 1997-11-07
;; PRIOR APPLICATION NUMBER: US 60/066,094
;; PRIOR FILING DATE: 1997-11-17
;; PRIOR APPLICATION NUMBER: US 60/066,100
;; PRIOR FILING DATE: 1997-11-17
;; PRIOR APPLICATION NUMBER: US 60/066,089
;; PRIOR FILING DATE: 1997-11-17
;; PRIOR APPLICATION NUMBER: US 60/066,095
;; PRIOR FILING DATE: 1997-11-17
;; PRIOR APPLICATION NUMBER: US 60/066,090
;; PRIOR FILING DATE: 1997-11-17
;; NUMBER OF SEQ ID NOS: 611
US-09-974-879-393
```

SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 393
LENGTH: 21
TYPE: PRT
ORGANISM: Homo sapiens
US-09-974-879-393

Query Match
Best Local Similarity 100.0%; Score 6; DB 9; Length 21;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 LFFPS 28
Db 12 LFFPS 17

RESULT 5
US-10-081-816-115
Sequence 115, Application US/10081816
Publication No. US20030045472A1
GENERAL INFORMATION:
APPLICANT: Axel, Richard
APPLICANT: Scott, Kristin
TITLE OF INVENTION: Chemosensory Gene Family Encoding Gustatory And Olfactory Receptor
FILE REFERENCE: 0575/64019-A/JPW/ADM
CURRENT APPLICATION NUMBER: US/10/081,816
CURRENT FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: 60/271,319
PRIOR FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 116
SOFTWARE: PatentIn version 3.1
SEQ ID NO 115
LENGTH: 33
TYPE: PRT
ORGANISM: Drosophila melanogaster
US-10-081-816-115

Query Match
Best Local Similarity 100.0%; Score 6; DB 9; Length 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 FFILL 24
Db 26 FFILL 31

RESULT 6
US-10-012-896-912
Sequence 912, Application US/10012896
Publication No. US20020183251A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aljun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa

APPLICANT: Fanger, Gary R.
APPLICANT: Wantanabe, Yoshihiro
APPLICANT: Meagher, Madeleine Joy
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C27
CURRENT APPLICATION NUMBER: US/10/012,896
CURRENT FILING DATE: 2001-12-10
NUMBER OF SEQ ID NOS: 1011
SOFTWARE: FastSeq for Windows version 3.0
SEQ ID NO 912
LENGTH: 39
TYPE: PRT
ORGANISM: Homo sapiens
US-10-012-896-912

Query Match
Best Local Similarity 100.0%; Score 6; DB 9; Length 39;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 VLITY 104
Db 25 VLITY 30

RESULT 7
US-09-895-793-912
Sequence 912, Application US/09895793
Publication No. US20020192763A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aljun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.534C2
CURRENT APPLICATION NUMBER: US/09/895,793
CURRENT FILING DATE: 2001-06-29
NUMBER OF SEQ ID NOS: 982
SOFTWARE: FastSeq for Windows version 3.0
SEQ ID NO 912
LENGTH: 39
TYPE: PRT
ORGANISM: Homo sapiens
US-09-895-793-912

Query Match
Best Local Similarity 100.0%; Score 6; DB 9; Length 39;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 VLITY 104
Db 25 VLITY 30

RESULT 8

US-09-895-814-912

Sequence 912, Application US/09895814
Publication No. US20020193296A1

GENERAL INFORMATION:

APPLICANT: Xu, Jlangchun
APPLICANT: Dillon, Devin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aljun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C26
CURRENT APPLICATION NUMBER: US/09/895,814
CURRENT FILING DATE: 2001-06-29
NUMBER OF SEQ ID NOS: 990
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 912
LENGTH: 39
TYPE: PRT
ORGANISM: Homo sapiens

Query Match

Best Local Similarity 3.2%; Score 6; DB 9; Length 39;
Pred. No. 83;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 VLITTY 104
|||||

DB 25 VLITTY 30

RESULT 9

US-09-759-143-912

Sequence 912, Application US/09759143
Patent No. US20020022248A1

GENERAL INFORMATION:

APPLICANT: Xu, Jlangchun
APPLICANT: Dillon, Devin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aljun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.427C23

CURRENT APPLICATION NUMBER: US/09/759,143

CURRENT FILING DATE: 2001-01-12

NUMBER OF SEQ ID NOS: 934

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 912

LENGTH: 39

TYPE: PRT

ORGANISM: Homo sapiens

Query Match

Best Local Similarity 3.2%; Score 6; DB 10; Length 39;
Pred. No. 83;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 VLITTY 104
|||||

DB 25 VLITTY 30

RESULT 10

US-09-780-669-912

Sequence 912, Application US/09780669
Patent No. US20020051977A1

GENERAL INFORMATION:

APPLICANT: Xu, Jlangchun
APPLICANT: Dillon, Devin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Henderson, Robert A.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aljun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C24
CURRENT APPLICATION NUMBER: US/09/780,669
CURRENT FILING DATE: 2001-02-09
NUMBER OF SEQ ID NOS: 943
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 912
LENGTH: 39
TYPE: PRT
ORGANISM: Homo sapiens

Query Match

Best Local Similarity 3.2%; Score 6; DB 10; Length 39;
Pred. No. 83;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 VLITTY 104
|||||

DB 25 VLITTY 30

RESULT 11

US-09-822-827-912

Sequence 912, Application US/09822827
Patent No. US20020081680A1

GENERAL INFORMATION:


```
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.534c1
CURRENT APPLICATION NUMBER: US/09/822,827
CURRENT FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 982
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 912
LENGTH: 39
TYPE: PRT
ORGANISM: Homo sapiens
US-09-822-827-912

Query Match
Best Local Similarity 100.0%; Score 6; DB 10; Length 39;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 99 VLITTY 104
    |||||
Db 25 VLITTY 30

RESULT 12
US-10-116-255-63
Sequence 63, Application US/10116255
Publication No. US2003003646A1
GENERAL INFORMATION:
APPLICANT: Ni et al.
TITLE OF INVENTION: Uncoupling Protein Polynucleotides, Polypeptides, and
FILE REFERENCE: P1009PI
CURRENT APPLICATION NUMBER: US/10/116,255
CURRENT FILING DATE: 2002-04-05
PRIOR APPLICATION NUMBER: 09/685,897
PRIOR FILING DATE: 2000-10-11
PRIOR APPLICATION NUMBER: PCT/US00/09534
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: 60/128,701
PRIOR FILING DATE: 1999-04-09
PRIOR APPLICATION NUMBER: 60/142,821
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: 60/149,448
PRIOR FILING DATE: 1999-08-18
PRIOR APPLICATION NUMBER: 60/164,751
PRIOR FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 66
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 63
LENGTH: 41
TYPE: PRT
ORGANISM: Homo sapiens
US-10-116-255-63

Query Match
Best Local Similarity 100.0%; Score 6; DB 9; Length 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 69 LSTRG 74
    |||||
Db 23 LSTRG 28

RESULT 13
US-09-864-761-36751
Sequence 36751, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
```

```
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aecmlca-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
SEQ ID NO 36751
LENGTH: 48
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO 284476.6
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.65
OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 0.68
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.71
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.61
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.7
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.84
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.72
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.67
OTHER INFORMATION: SWISSPROT HIT: Q9X4E0, EVALU6 5.20e+00
OTHER INFORMATION: EST_HUMAN HIT: K07702.1, EVALU6 5.00e-23
US-09-864-761-36751

Query Match
Best Local Similarity 100.0%; Score 6; DB 10; Length 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 183 VOEGNP 188
    |||||
Db 12 VOEGNP 17

RESULT 14
US-10-001-883-127
Sequence 127, Application US/10001883
Publication No. US20030022188A1
```

```
GENERAL INFORMATION:
APPLICANT: Medina, Roberto
APPLICANT: Recipon, Herive
APPLICANT: Pluta, Jason
APPLICANT: Ghosh, Malavika
APPLICANT: Sun, Yongming
APPLICANT: Liu, Chenghua
TITLE OF INVENTION: Compositions and Methods Relating to Colon Specific Genes and Prc
FILE REFERENCE: DEX-0271
CURRENT APPLICATION NUMBER: US/10/001,883
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/252,059
PRIOR FILING DATE: 2000-11-20
NUMBER OF SEQ ID NOS: 137
SOFTWARE: PatentIn version 3.1
SEQ ID NO 127
LENGTH: 56
TYPE: PRT
ORGANISM: Homo sapien
US-10-001-883-127
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Query Match          3.2%; Score 6; DB 9; Length 56;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 19 FFIFLL 24
DB 38 FFIFLL 43
```

```
RESULT 15
US-09-796-692-779
Sequence 779, Application US/09796692
Publication No. US20020198362A1
GENERAL INFORMATION:
APPLICANT: Gaiger, Alexander
APPLICANT: Algate, Paul A.
APPLICANT: Mannon, Jane
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
FILE REFERENCE: 2077, 001200
CURRENT APPLICATION NUMBER: US/09/796,692
CURRENT FILING DATE: 2001-03-01
PRIOR APPLICATION NUMBER: 60/186,126
PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: 60/190,479
PRIOR FILING DATE: 2000-03-17
PRIOR APPLICATION NUMBER: 60/200,545
PRIOR FILING DATE: 2000-04-27
PRIOR APPLICATION NUMBER: 60/200,303
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 60/200,779
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 60/200,999
PRIOR FILING DATE: 2000-05-01
PRIOR APPLICATION NUMBER: 60/202,084
PRIOR FILING DATE: 2000-05-04
PRIOR APPLICATION NUMBER: 60/206,201
PRIOR FILING DATE: 2000-05-22
PRIOR APPLICATION NUMBER: 60/218,950
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: 60/222,903
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: 60/223,416
PRIOR FILING DATE: 2000-08-04
PRIOR APPLICATION NUMBER: 60/223,378
PRIOR FILING DATE: 2000-08-07
NUMBER OF SEQ ID NOS: 9597
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 779
LENGTH: 60
TYPE: PRT
ORGANISM: Homo sapiens
```

```
FEATURE:
NAME/KEY: variant
LOCATION: (1)...(60)
OTHER INFORMATION: Xaa - Any amino acid
US-09-796-692-779
```

```
Query Match          3.2%; Score 6; DB 9; Length 60;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 83 RNLIGS 88
DB 40 RNLIGS 45
```

```
Search completed: April 16, 2003, 13:14:15
Job time : 20 secs
```